SUBJECT INDEX

INSTRUMENTS and CONTROL SYSTEMS

Published Monthly by The Instruments Publishing Company
845 Ridge Ave., Pittsburgh 12, Penna.

INDEX TO VOLUME 33, 1960

H before page number denotes **Buyer's Guide**
(Part Two of November issue).

Issue	Pages
January	1- 168
February	169- 344
March	345- 516
April	517- 706
May	707- 896
June	897-1068
July	1069-1218
August	1219-1440
September	1441-1640
October	1641-1822
November	1823-2002
December	2003-2149

A

Abacus, How to Use an 1256
Absolute Press Transducer 1402, 1991
Acceleration Generators 240
Acceleration-Sensitive Switch 1612
Accelerometer Calibrator 294
Accelerometer, Linear 1050
Accelerometers 479, 853, 1425
AC Current Recorder 1988
AC/DC Conversion 1986
AC Test Lead 1792
A-C VTVM 1382
AC VTVM, Portable 1388
Adapter Panel 496
Addition to Camera-Recorder Survey 639
Addition and Subtraction by Symbolic Logic 579
Adjustment Unit, Remote 149
Advance Decommutation System 426
Aircraft Battery Substitute 120
Aircraft Weighing Kit 1626
Air Cylinders, Midget 1056
Air Dryer, Heaterless 1605
Air Dryer, Low Cost 480
Air Dryers 1488, 1805
Air Dryers, Compressed 857
Air Gaging 747
Air and Gas Dryers 475
Air-Loaded Regulators 476
Air Meter 585
Air Pollution Tester 1811
Air Pump 869
Air Sampler 477
Air Signal Monitor 154
Air Switch & Relay Valve 1378
Alarm/Control System 319
Alarm Potameters 1369
Alarm Scanner, Hi-Speed 1032
Algebraic Compiler 2037
Alloy-Sheathed T/C 877
All-Purpose Angle Valve 476
Amplifier, Carrier 1026
Amplifier, DC 310
Amplifier Package 497
Amplifier, Wide-Band 1190
Amplifiers, Wideband 850
Analog Computer 316, 1409
Analog Computer Control System 300
Analog Computer Kit 1952
Analog Computer, Repetitive 1422
Analog Computer, Repetitive Operation 501
Analog Computer Tests Nuclear Control System Ahead of Start-Up 189
Analog Computer, 23-Pound 158
Analog Computers in the Electrical Engineering Department 1366
Analog Computers, How to Use and Program 538
Analog Computers at the University of Arizona, Repetitive 1551
Analog Integrator Networks 1044
Analog Memory for Simulation of a Melting Slab, Use of 1545
Analog Programmer 1501
Analog Solution of Beam Problems 1561
Analytical Balance 845
An/Dig Converter 483, 1801, 1973
Angular Position Transducer 1176
Annunciator Nameplate 1053
Annunciators 932
Application of Chromatography to Natural-Gas Analysis 1362
Application of Precise-Power Sets to Large Electrical Systems 931
Arc Imaging Furnace 144
Are Imports A Threat to American Instrument Manufacturers? 1519
Are We Short in Instrumentation? 1137
Armored Purge Meters 1617
Asymmetric Bridge 634
Atomic Length Standards 414
Autoclave 1624
Auto-Collimator 472
Automatic Cable Tester 2126
Automatic Chart Changer 388
Automatic Flowmeter Calibration 1537
Automatic Pressure Compensation 1931
Automatic Sample Changer 1404
Automatic Scale 154
Automatic Tester 1588
Automatic Wire Cutter 2110
Automation's Challenge to Management 577
Axial-Lead Resistor 1970

B

Ball Bearing Precision Pot 1250
Ball Valves 685, 1040, 1773, 1788, 1804, 2124
Ballistic Flarer 1970
Banana Plug Resistors 1028
Bar Stock Valves 1858
Battery, Silver-Zinc 686
Beam Balance 495
Beam Switching Tube 1051
Bellows Assembly, Dual 1417
Bellows Meter, Indicating 858
Bellows-Type Controller 660
Bellows-Type Orifice Meters
Bidirectional Counting 2074
Bina-Dec Decoder 40
Binary Decade Counter 1966
Binary Encoding Switch 1975
Bin-Vue Level Indicators 2115
Bistable Amplifier 1952
Black Reader 2104
Blow-Off & Drain Valves 1386
Boiler Gage, High-Press 748
Boiler Gages, Heated 1061
Book Reviews 82, 214, 401, 586, 750, 947, 1079, 1233, 1496, 1671, 1875, 2057
Boolean Algebra 270
Bourdon Tube Bleeder 2135
Bridge Console 1804
Briefs 35, 198, 372, 538, 734, 922, 1100, 1250, 1475, 1675, 1857, 2027
BTU Meter, Sweep Balance 1197
Buffer Storage 1769
Butterfly Valve 1411

C

Cable Clamps 2114
Cable Pressure Guard 130
Calibrating Analog-Computer Integrators 1555
Calibrating Thermocouples 786
Calibration Consoles 157
Calibration Kit, Portable 886
Calibration Stand 1174
Calibration and Standardization at Western 604
Calibration System 2105
Cam-Operated Valve 1928
Camera Accessories 1594
Camera, 35 mm Boresight 1937
Camera, 35MM View 692
Capacitance Product Analyzer 1476
Carbon Dioxide Monitor 669
Cardmatic Tube Tester 1057
Card-to-Tape Computer 2122
Cartesian Manometer 1414
Cary Shield Enclosure 1504
Cascade Control Station 1628
Cascade Temp Control 1991
Centrifugal Flow Measurement 276
Ceramic Insulators 1792
Channel Separator 298
Character Generator 2133
Chart Drive 2104
Chart Integrator 1946
Check Valves 1048, 1903, 2130
Chemical Analysis System 1972
Circuit Holder Valve 1626
Circuit Scanner 158
Circuit-Switching Device 1616
Circuitry, NOR 745
Circuitry Terminal, Mini 492
Closed-Circuit TV 1767
Coated Resistance Wire 496
Coaxial Thermocouple, Mini 1202
Code Converter, Transistorized 306
Codewriter 497
Combustible-Gas Indicator 1272
Combustion Controller 38
Commercial Chopper 1404
Common Abbreviations in Ham Usage 736
Compact Atomcounter 1404
Compensated Regulators 1675
Compressed-Air Survey 415
Compression Cell 1975
Compression Tester 1036
Computer for Algebraic Functions of a Complex Variable 1103
Computer Control System 471
Computer Control System, Total 1371
Computer, Direct-Entry 130
Computer Events 1129, 1393, 1705, 1945, 2099
Computer Features, New 682
Computer—G-20, Newest 479
Computer to Help Study the Human Mind 914
Computer, High-Speed 1422
Computer Missile Guidance 478
Computer, Moderate-Price 842
Computer Reliability Sets Record 192
Computer, Solid-State 880, 922
Computer Storage Techniques 2070
Computer, 22-lb. 736
Computer Translator 843
Computer Typewriter 861
"Computerese" 1475
Computers Linked by Microwave 727
Concrete Beam Tests 914
Conductivity Analyzer 2132
Conductivity Bridge 145
Conductivity Cell 488
Conductivity Meter 1596
Conductivity Recorder 1421
Contact Modulator, The 1857
Continuous Gas Sampler 2126
Control Computers 91
Control Directly from Microwatt Signals 1272
Control Panels 1174
Control Panels, Packaged 1042
Control Stations, Manual 1052
Control Switch, Force 1606
Control System, Mini 1802
Control System, Program 148
Control System Teaching 1629
Control Systems Monitor 1946
Control Systems, Packaged 883
Control System, Safety 1058
Control Valve, Zone 667
Control Valves 1054
Controlled Pressure Eliminates Water Waste 938
Controlled Temperature Bath 2050
Controlled-Temp Cabinet 850
Controller, Conductivity 888
Controller Unit 218
Controllers, Back-Pressure 320
Conversion Factors 928
Converter, A/D 1911
Converter, Dig/An 876
Converter, Voltage-to-Frequency 882
Converters, D/A 472
Cooled-Cell PbS Detector 1603
Corona Discharge Detector 1198
Corrosion Measurement Probe 496
Corrosion Meter 2131
Corrosion Resistant Solenoid Valve 990
Counter Automates a Tensile Tester 787
Counter, Bi-Directional 864
Counter, High Speed 152
Counter Manufacturer Uses White Room 366
Counter, Scintillation 881
Counter, Timer 871, 1186
Counter-Timer, Solid-State 1618
Counter-Timers, 10-MC 127
Counters, Electronic 870
Cranberry Testing Program 536
Creative Thinking 782
Critical Review of Electronic Control Systems, 1742
Cryogenic-Media Valve 120
CT Matching Unit 321
Curb Valve 1420
Current Integrator 397
Current Probe 1990
Current Supply, Constant 682
Current and Voltage Standard Supplies 1624
Curve Tracer 1396
Custom Instrument Panels 2112
Cutting Holes in Sheet Metal 779
Cylinder Force Calculations 1860

D

Dall Flow Tube, The 1006
Damped Transducer 1188
Data Acquisition Systems 2130
Data Amplifier 1630, 1106
Data Collecting System 690
Data Collector 1054
Data Optimizing Computer 1394
Data Processing System, Modular Electronic 858
Data Processor, High Speed 140
Data Recording System 1812
Data Storage and Display System 1240
Data Tape Reader 1770
Data Transfer Multiplexer 1988
Data Transmission System 554
Data Transmission Unit 1788
D-C/A-C Inverter 1420
D-C Amplifier 1050, 2118
D-C Amplifier, Low-Level 872
D-C Amplifier, Solid-State 862
DC-to-DC Inverter 1787
D-C Motors, Sub-Min 329
D-C Multiple Meter 1924
D-C Voltage Reference Supply for Oscilloscopes 1480
Dead Weight Gage 680
Decade Counters 1980, 2121
Decade Counting 1314
Decade Frequency Source 691
Decimal Electronic Switch 494
Decimal Timer Board 499
Dehydration Cartridges 1616
Dehydrator Unit 882
Delay B Unit 326
Delay Line, Mini 491
Delay Measuring Set 847
Demand Limiter 120
Desktop Computer 836
Developments in Weighing 1145
Dew Point Transducer 2128
Dial Indicator 129
Dial Thermometers 679, 1032, 1948
Diaphragm Valve 1772
Dielectric Monitor 308
Dielectric Strength Tester 1595
Diff/Abs Press Transducer 1786
Diff Press Transducer 488
Differential Gage 325
Differential Photometer 873
Differential Transformers 230
Dig/An Indicator 502
Digital Building Blocks 1199, 1902
Digital Capacity Meter 865
Digital Clock 1234, 304, 1690
Digital Comparator 1864, 1981
Digital Computer 1203, 1606
Digital Computers, High-School Students Learn 534
Digital Control Computer 2037
Digital Control System 1600, 1976
Digital Counters 1626
Digital Data Handling System 1873
Digital Data Recorder 1046
Digital Deviation Ohmmeter 680
Digital Differential Analyzer 1482
Digital Display Device 2127
Digital Flow Control 998
Digital Logic Blocks 493, 1195
Digital Microdial 1806
Digital Module, Transistor 881
Digital Modules 1396
Digital Pattern Generator 1298
Digital Readout, Mini 470
Digital Readout Oscilloscope 379
Digital Readout Systems 1233, 1414
Digital Readout 'Scope 475
Digital Recorder 691
Digital Recorder/Reproducer, High-Density 916
Digital Recorder, X-Y 1976
Digital Recording System 158
Digital Stepper Motor Tester 1690
Digital Switch 1197
Digital Systems by Symbolic Logic 406
Digital Tape Systems 1629
Digital Torque Indicator 322
Digital Transistor 883
Digital Voltmeter, All-Electronic 1382
Digital Voltmeter, Milspec 1406
Digital Voltmeter, Multirange 736
Digital Voltmeter, True-Rms 1106
Digital Voltmeters 153, 1041, 1262, 1372, 1491, 1976
Dimensional Gage 1610
Direct Cold Junction 478
Direct-Reading A/D Converter 662
Direct-Reading Balance 1984
Direct-Reading Dynamometer 312
Direct-Writing Oscillographs 1977
Direct-Writing Photorecording Paper 1682
Directional Control Valve 2119
Directional Valve 1960
Disc Memory 1106, 1604
Disc Valve, Shearable 1605
Displacement Transducers 239, 317, 1266 1723
Distribution Analyser, Probability 35
Dividing Pulse Trains 1716
Dome Regulators 1256
D-P Transmitters 2132
Draft Gage Manifold 1588
Draft Gage Snubber 1468
Dry-Flow Meter 2108
Dual Rank Counter 1788
Dual Flip-Flop 494
Dual Manometer 495
Dual Temp Controller 1612
Durometer Calibrator 697
Dynamaster Lab Recorder 474
Dynamic Pressure Meter 1974
Dynamic Recording for Engine Test 420
Dynamic Storage Analog Computer—DYSTAC 1540

E

Economic Dispatch 1304
8-Channel Recorder System 1970
Elapsed Time Indicator 2108
Electric Drillogger 736
Electric Furnaces, Hi-Temp 664
Electric Gyro, Miniature 878
Electric Impulse Counter 1766
Electric Integrator 1419
Electric Reset Counter 1982
Electric Resistance Probe 2112
Electric Systems Cabinets 498
Electric Writing Feature 1597
Electrical Standards Lab 587
Electrical Vacuum Gage 1413
Electro Probe 668
Electromagnetic Flowmeter 1580
Electrometer 1423
Electrometer, Miniaturized 314
Electronic Alarm 136
Electronic Circuitry 108, 442
Electronic Computer Helps Break Office Paperwork Jam 1604
Electronic Control of Pipelines 972
Electronic Control System 1857
Electronic Controls, Application of 2045
Electronic Counters 1057, 1614
Electronic Flash Unit 862
Electronic Framing Camera 221
Electronic Generator 660, 1042
Electronic Integrator 1799
Electronic Memory 1961
Electronic Multiplier 138
Electronic Printer 661
Electronic Scale 1798
Electronic Speed Control, Adjustable 1675
Electronic Thermometer 139
Electronic Translation of Computer Language 554
Electronic Voltmeter 1417
Electronic Wattmeter 329
Electro-Optical Relay 1611
Electropneumatic Converter 2106
Electropneumatic Positioner 1588
Electropneumatic Transducer 1060
Electrostatic Storage 1769
Engine Control System 1810
Engine Controller 1036
Engine Safety Controls 1972
Engineered Dehydration by Refrigifilter 36
Engineering Shortage, The 1170
Events 31, 210, 392, 572, 718, 927, 1092, 1232, 1498, 1668, 1881, 2033
Environmental Chambers 1601, 1688
Environmental Chambers, Control Unit for 498
Environmental Test Chamber 1790
Environmental Test Rooms 1418
Epoxy Resin Kit 1384
Excess Temperature Cutout 1784
Expandable T/C 864
Explosion-Proof Housings 490
Explosion Test Chamber 1414

F

Feedwater Pump 296
Ferreting-out Air Leak into Gas Line 264
Ferroelectricity with Ferrimagnetism 1347
Filter-Dryer 1199
Filter Regulator 1798
Fine Wire T/C 1784
Fire Detection Tube 1948
Flame Detector Kit 1954
Flame Temperature Determination 821
Flaw Detector 328
Flexible Shaft Assemblies 2111
Float Drained Filters 1985
Flo-Ball Valves 198
Flow Check Snubber 1426
Flow Control Valve 887
Flow-Element, Primary 873
Flow Induction Pump 1059
Flow Measuring System 1676
Flowmeter, Ultrasonic 936
Flowmeters, D-P 1466
Flowmeter, Single-bellows 743
Flow Recorder 1384
Flow Regulator 685
Flow Switch, Low-Cost 1946
Force Control Switch 662
Formula Capsule 156
Frequency Converter 483
Frequency Counter 472, 1715
Frequency Extender 1978
Frequency Meters 1194

SUBJECT INDEX

INSTRUMENTS and CONTROL SYSTEMS

Published Monthly by The Instruments Publishing Company
845 Ridge Ave., Pittsburgh 12, Penna.

INDEX TO VOLUME 33, 1960

H before page number denotes **Buyer's Guide**
(Part Two of November issue).

Issue	Pages
January	1- 168
February	169- 344
March	345- 516
April	517- 706
May	707- 896
June	897-1068
July	1069-1218
August	1219-1440
September	1441-1640
October	1641-1822
November	1823-2002
December	2003-2149

A

Abacus, How to Use an 1256
Absolute Press Transducer 1402, 1991
Acceleration Generators 240
Acceleration-Sensitive Switch 1612
Accelerometer Calibrator 294
Accelerometer, Linear 1050
Accelerometers 479, 853, 1425
AC Current Recorder 1988
AC/DC Conversion 1986
AC Test Lead 1792
A-C VTVM 1382
AC VTVM, Portable 1388
Adapter Panel 496
Addition to Camera-Recorder Survey 639
Addition and Subtraction by Symbolic Logic 579
Adjustment Unit, Remote 149
Advance Decommutation System 426
Aircraft Battery Substitute 120
Aircraft Weighing Kit 1626
Air Cylinders, Midget 1056
Air Dryer, Heaterless 1605
Air Dryer, Low Cost 480
Air Dryers 1488, 1805
Air Dryers, Compressed 857
Air Gaging 747
Air and Gas Dryers 475
Air-Loaded Regulators 476
Air Meter 585
Air Pollution Tester 1811
Air Pump 869
Air Sampler 477
Air Signal Monitor 154
Air Switch & Relay Valve 1378
Alarm/Control System 319
Alarm Potameters 1369
Alarm Scanner, Hi-Speed 1032
Algebraic Compiler 2037
Alloy-Sheathed T/C 877
All-Purpose Angle Valve 476
Amplifier, Carrier 1026
Amplifier, DC 310
Amplifier Package 497
Amplifier, Wide-Band 1190
Amplifiers, Wideband 850
Analog Computer 316, 1409
Analog Computer Control System 300
Analog Computer Kit 1952
Analog Computer, Repetitive 1422
Analog Computer, Repetitive Operation 501
Analog Computer Tests Nuclear Control System Ahead of Start-Up 189
Analog Computer, 23-Pound 158
Analog Computers in the Electrical Engineering Department 1366
Analog Computers, How to Use and Program 538
Analog Computers at the University of Arizona, Repetitive 1551
Analog Integrator Networks 1044
Analog Memory for Simulation of a Melting Slab, Use of 1545
Analog Programmer 1501
Analog Solution of Beam Problems 1561
Analytical Balance 845
An/Dig Converter 483, 1801, 1973
Angular Position Transducer 1176
Annunciator Nameplate 1053
Annunciators 932
Application of Chromatography to Natural-Gas Analysis 1362
Application of Precise-Power Sets to Large Electrical Systems 931
Arc Imaging Furnace 144
Are Imports A Threat to American Instrument Manufacturers? 1519
Are We Short in Instrumentation? 1137
Armored Purge Meters 1617
Asymmetric Bridge 634
Atomic Length Standards 414
Autoclave 1624
Auto-Collimator 472
Automatic Cable Tester 2126
Automatic Chart Changer 388
Automatic Flowmeter Calibration 1537
Automatic Pressure Compensation 1931
Automatic Sample Changer 1404
Automatic Scale 154
Automatic Tester 1588
Automatic Wire Cutter 2110
Automation's Challenge to Management 577
Axial-Lead Resistor 1970

B

Ball Bearing Precision Pot 1250
Ball Valves 685, 1040, 1773, 1788, 1804, 2124
Ballistic Flarer 1970
Banana Plug Resistors 1028
Bar Stock Valves 1858
Battery, Silver-Zinc 686
Beam Balance 495
Beam Switching Tube 1051
Bellows Assembly, Dual 1417
Bellows Meter, Indicating 858
Bellows-Type Controller 660
Bellows-Type Orifice Meters
Bidirectional Counting 2074
Bina-Dec Decoder 40
Binary Decade Counter 1966
Binary Encoding Switch 1975
Bin-Vue Level Indicators 2115
Bistable Amplifier 1952
Black Reader 2104
Blow-Off & Drain Valves 1386
Boiler Gage, High-Press 748
Boiler Gages, Heated 1061
Book Reviews 82, 214, 401, 586, 750, 947, 1079, 1233, 1496, 1671, 1875, 2057
Boolean Algebra 270
Bourdon Tube Bleeder 2135
Bridge Console 1804
Briefs 35, 198, 372, 538, 734, 922, 1100, 1250, 1475, 1675, 1857, 2027
BTU Meter, Sweep Balance 1197
Buffer Storage 1769
Butterfly Valve 1411

C

Cable Clamps 2114
Cable Pressure Guard 130
Calibrating Analog-Computer Integrators 1555
Calibrating Thermocouples 786
Calibration Consoles 157
Calibration Kit, Portable 886
Calibration Stand 1174
Calibration and Standardization at Western 604
Calibration System 2105
Cam-Operated Valve 1928
Camera Accessories 1594
Camera, 35 mm Boresight 1937
Camera, 35MM View 692
Capacitance Product Analyzer 1476
Carbon Dioxide Monitor 669
Cardmatic Tube Tester 1057
Card-to-Tape Computer 2122
Cartesian Manometer 1414
Cary Shield Enclosure 1504
Cascade Control Station 1628
Cascade Temp Control 1991
Centrifugal Flow Measurement 276
Ceramic Insulators 1792
Channel Separator 298
Character Generator 2133
Chart Drive 2104
Chart Integrator 1946
Check Valves 1048, 1903, 2130
Chemical Analysis System 1972
Circuit Holder Valve 1626
Circuit Scanner 158
Circuit-Switching Device 1616
Circuitry, NOR 745
Circuitry Terminal, Mini 492
Closed-Circuit TV 1767
Coated Resistance Wire 496
Coaxial Thermocouple, Mini 1202
Code Converter, Transistorized 306
Codewriter 497
Combustible-Gas Indicator 1272
Combustion Controller 38
Commercial Chopper 1404
Common Abbreviations in Ham Usage 736
Compact Atomcounter 1404
Compensated Regulators 1675
Compressed-Air Survey 415
Compression Cell 1975
Compression Tester 1036
Computer for Algebraic Functions of a Complex Variable 1103
Computer Control System 471
Computer Control System, Total 1371
Computer, Direct-Entry 130
Computer Events 1129, 1393, 1705, 1945, 2099
Computer Features, New 682
Computer—G-20, Newest 479
Computer to Help Study the Human Mind 914
Computer, High-Speed 1422
Computer Missile Guidance 478
Computer, Moderate-Price 842
Computer Reliability Sets Record 192
Computer, Solid-State 880, 922
Computer Storage Techniques 2070
Computer, 22-lb. 736
Computer Translator 843
Computer Typewriter 861
"Computerese" 1475
Computers Linked by Microwave 727
Concrete Beam Tests 914
Conductivity Analyzer 2132
Conductivity Bridge 145
Conductivity Cell 488
Conductivity Meter 1596
Conductivity Recorder 1421
Contact Modulator, The 1857
Continuous Gas Sampler 2126
Control Computers 91
Control Directly from Microwatt Signals 1272
Control Panels 1174
Control Panels, Packaged 1042
Control Stations, Manual 1052
Control Switch, Force 1606
Control System, Mini 1802
Control System, Program 148
Control System Teaching 1629
Control Systems Monitor 1946
Control Systems, Packaged 883
Control System, Safety 1058
Control Valve, Zone 667
Control Valves 1054
Controlled Pressure Eliminates Water Waste 938
Controlled Temperature Bath 2050
Controlled-Temp Cabinet 850
Controller, Conductivity 888
Controller Unit 218
Controllers, Back-Pressure 320
Conversion Factors 928
Converter, A/D 1911
Converter, Dig/An 876
Converter, Voltage-to-Frequency 882
Converters, D/A 472
Cooled-Cell PbS Detector 1603
Corona Discharge Detector 1198
Corrosion Measurement Probe 496
Corrosion Meter 2131
Corrosion Resistant Solenoid Valve 990
Counter Automates a Tensile Tester 787
Counter, Bi-Directional 864
Counter, High Speed 152
Counter Manufacturer Uses White Room 366
Counter, Scintillation 881
Counter, Timer 871, 1186
Counter-Timer, Solid-State 1618
Counter-Timers, 10-MC 127
Counters, Electronic 870
Cranberry Testing Program 536
Creative Thinking 782
Critical Review of Electronic Control Systems, 1742
Cryogenic-Media Valve 120
CT Matching Unit 321
Curb Valve 1420
Current Integrator 397
Current Probe 1990
Current Supply, Constant 682
Current and Voltage Standard Supplies 1624
Curve Tracer 1396
Custom Instrument Panels 2112
Cutting Holes in Sheet Metal 779
Cylinder Force Calculations 1860

D

Dall Flow Tube, The 1006
Damped Transducer 1188
Data Acquisition Systems 2130
Data Amplifier 1630, 1106
Data Collecting System 690
Data Collector 1054
Data Optimizing Computer 1394
Data Processing System, Modular Electronic 858
Data Processor, High Speed 140
Data Recording System 1812
Data Storage and Display System 1240
Data Tape Reader 1770
Data Transfer Multiplexer 1988
Data Transmission System 554
Data Transmission Unit 1788
D-C/A-C Inverter 1420
D-C Amplifier 1050, 2118
D-C Amplifier, Low-Level 872
D-C Amplifier, Solid-State 862
DC-to-DC Inverter 1787
D-C Motors, Sub-Min 329
D-C Multiple Meter 1924
D-C Voltage Reference Supply for Oscilloscopes 1480
Dead Weight Gage 680
Decade Counters 1980, 2121
Decade Counting 1314
Decade Frequency Source 691
Decimal Electronic Switch 494
Decimal Timer Board 499
Dehydration Cartridges 1616
Dehydrator Unit 882
Delay B Unit 326
Delay Line, Mini 491
Delay Measuring Set 847
Demand Limiter 120
Desktop Computer 836
Developments in Weighing 1145
Dew Point Transducer 2128
Dial Indicator 129
Dial Thermometers 679, 1032, 1948
Diaphragm Valve 1772
Dielectric Monitor 308
Dielectric Strength Tester 1595
Diff/Abs Press Transducer 1786
Diff Press Transducer 488
Differential Gage 325
Differential Photometer 873
Differential Transformers 230
Dig/An Indicator 502
Digital Building Blocks 1199, 1902
Digital Capacity Meter 865
Digital Clock 1234, 304, 1690
Digital Comparator 1864, 1981
Digital Computer 1203, 1606
Digital Computers, High-School Students Learn 534
Digital Control Computer 2037
Digital Control System 1600, 1976
Digital Counters 1626
Digital Data Handling System 1873
Digital Data Recorder 1046
Digital Deviation Ohmmeter 680
Digital Differential Analyzer 1482
Digital Display Device 2127
Digital Flow Control 998
Digital Logic Blocks 493, 1195
Digital Microdial 1806
Digital Module, Transistor 881
Digital Modules 1396
Digital Pattern Generator 1298
Digital Readout, Mini 470
Digital Readout Oscilloscope 379
Digital Readout Systems 1233, 1414
Digital Readout 'Scope 475
Digital Recorder 691
Digital Recorder/Reproducer, High-Density 916
Digital Recorder, X-Y 1976
Digital Recording System 158
Digital Stepper Motor Tester 1690
Digital Switch 1197
Digital Systems by Symbolic Logic 406
Digital Tape Systems 1629
Digital Torque Indicator 322
Digital Transistor 883
Digital Voltmeter, All-Electronic 1382
Digital Voltmeter, Milspec 1406
Digital Voltmeter, Multirange 736
Digital Voltmeter, True-Rms 1106
Digital Voltmeters 153, 1041, 1262, 1372, 1491, 1976
Dimensional Gage 1610
Direct Cold Junction 478
Direct-Reading A/D Converter 662
Direct-Reading Balance 1984
Direct-Reading Dynamometer 312
Direct-Writing Oscillographs 1977
Direct-Writing Photorecording Paper 1682
Directional Control Valve 2119
Directional Valve 1960
Disc Memory 1106, 1604
Disc Valve, Shearable 1605
Displacement Transducers 239, 317, 1266 1723
Distribution Analyser, Probability 35
Dividing Pulse Trains 1716
Dome Regulators 1256
D-P Transmitters 2132
Draft Gage Manifold 1588
Draft Gage Snubber 1468
Dry-Flow Meter 2108
Dual Rank Counter 1788
Dual Flip-Flop 494
Dual Manometer 495
Dual Temp Controller 1612
Durometer Calibrator 697
Dynamaster Lab Recorder 474
Dynamic Pressure Meter 1974
Dynamic Recording for Engine Test 420
Dynamic Storage Analog Computer—DYSTAC 1540

E

Economic Dispatch 1304
8-Channel Recorder System 1970
Elapsed Time Indicator 2108
Electric Drillogger 736
Electric Furnaces, Hi-Temp 664
Electric Gyro, Miniature 878
Electric Impulse Counter 1766
Electric Integrator 1419
Electric Reset Counter 1982
Electric Resistance Probe 2112
Electric Systems Cabinets 498
Electric Writing Feature 1597
Electrical Standards Lab 587
Electrical Vacuum Gage 1413
Electro Probe 668
Electromagnetic Flowmeter 1580
Electrometer 1423
Electrometer, Miniaturized 314
Electronic Alarm 136
Electronic Circuitry 108, 442
Electronic Computer Helps Break Office Paperwork Jam 1604
Electronic Control of Pipelines 972
Electronic Control System 1857
Electronic Controls, Application of 2045
Electronic Counters 1057, 1614
Electronic Flash Unit 862
Electronic Framing Camera 221
Electronic Generator 660, 1042
Electronic Integrator 1799
Electronic Memory 1961
Electronic Multiplier 138
Electronic Printer 661
Electronic Scale 1798
Electronic Speed Control, Adjustable 1675
Electronic Thermometer 139
Electronic Translation of Computer Language 554
Electronic Voltmeter 1417
Electronic Wattmeter 329
Electro-Optical Relay 1611
Electropneumatic Converter 2106
Electropneumatic Positioner 1588
Electropneumatic Transducer 1060
Electrostatic Storage 1769
Engine Control System 1810
Engine Controller 1036
Engine Safety Controls 1972
Engineered Dehydration by Refrigifilter 36
Engineering Shortage, The 1170
Events 31, 210, 392, 572, 718, 927, 1092, 1232, 1498, 1668, 1881, 2033
Environmental Chambers 1601, 1688
Environmental Chambers, Control Unit for 498
Environmental Test Chamber 1790
Environmental Test Rooms 1418
Epoxy Resin Kit 1384
Excess Temperature Cutout 1784
Expandable T/C 864
Explosion-Proof Housings 490
Explosion Test Chamber 1414

F

Feedwater Pump 296
Ferreting-out Air Leak into Gas Line 264
Ferroelectricity with Ferrimagnetism 1347
Filter-Dryer 1199
Filter Regulator 1798
Fine Wire T/C 1784
Fire Detection Tube 1948
Flame Detector Kit 1954
Flame Temperature Determination 821
Flaw Detector 328
Flexible Shaft Assemblies 2111
Float Drained Filters 1985
Flo-Ball Valves 198
Flow Check Snubber 1426
Flow Control Valve 887
Flow-Element, Primary 873
Flow Induction Pump 1059
Flow Measuring System 1676
Flowmeter, Ultrasonic 936
Flowmeters, D-P 1466
Flowmeter, Single-bellows 743
Flow Recorder 1384
Flow Regulator 685
Flow Switch, Low-Cost 1946
Force Control Switch 662
Formula Capsule 156
Frequency Converter 483
Frequency Counter 472, 1715
Frequency Extender 1978
Frequency Meters 1194

Frequency Shift Terminal 502
Frequency Standard 1407
Fuel Cell 1266
Fuel Quantity Calibration Unit, Portable 1403
Function Generation with a DDA 1805
Function Generator 307, 1.96
Function Generator, Card-Programmed 744
Function Generator, C-R Arbitrary 808
Function Tester 1975
Furnace Accessories 681
Furnace Controller 1798
Fused Quartz Press Gage 692

G

Gage Protector 2124
Gage Saver 1623
Galvanometer, Multi le-Reflection 198
Galvanometer, Switching 688
Gamma Spectrometer System 327
Gas/Air Recirculator 1040
Gas Analyzer 2104
Gas Analyzer, Furnace 852
Gas Analyzer-Monitor 2106
Gas Chromatograph 1423, 1608
Gas Density Analyzer 1627
Gas Density Detector 145, 546
Gas Detection System 548
Gas Detector, Liquid 1100
Gas Detectors 1258
Gas-Driven Chart Drive 854
Gas Flow Recorder 482
Gas Metering Regulators 1981
Gas Monitor 688
Gas-Powered Chart Drive 1104
Gas Sampling Systems 1858
Gas Temperature by Infrared 1926
Gas Thermometry, High-Temperature 891
Gas Velocity Meter 2128
Gate Valves, Standard 151
Gaussmeter 872
Gear Tester, Electronic 857
Generator, Electronic 682
Geneva Drives, Mini 1796
Geneva Drive Mechanism 1051
Glass Joint Clamps 1950
Glass Temperature Controlled to ¼°F 564
Glass Tube Type Purge Meters 538
Granular Material Flowmeter 1950
Granular Material, True Volume of 861
Graphic Recorder 1800
Graphic Recording System 1586
Graphite Diaphragm Valves, Impervious 1190
Gravitometer 1406
Gravity Four System 1181
Gray-to-Binary Conversion 1311
Gyros 1678
Gyroscope, The 958

H

Hand Perspiration Meter 691
Hand Tachometer 1040, 2130
Hardness Tester 681
Hardness Tester, Portable 866
Harmonic Mixers 1780
Heat Sinks 1611
Helical Commutator 2045
Hi-Overpress Transducers 1392
High-Output Load Cell 2042
High-Performance CR Tube 130
High-Press Filter 150
High-Pressure Ball Valves and Venturi Shut-off Valves 934
High-Pressure Gage 662
Hi-Press Thermal Wells 1029
Hi-Press Transducers 1768
High-Quality Pot 2108
High-Resolution CR Tube 307
High-Speed Counter, Hermetically-Sealed 120
High-Speed DC Bridge 295
High-Speed Framing Camera, Portable 398
High-Speed Graph Plotter 1491
High Speed Printers 546, 1597, 1784
High-Speed Relay 677
High-Speed Weigher 1774
Hi-Temp Cables 1406
High-Temperature Gas Thermometry 891
Hi-Temp Harnesses 1599
High Temperature Measurement 58
Hi-Temp & Press T/C Probe 482
High-Temperature Thermocouples, New Values for 936
High-Temperature X-ray Diffractometer 2085
High Vacuum Works, Oils, Greases, and Waxes for 1479
High Voltage Supplies 1601
Hose Connections in Glass Tubing 1253
Hot Plates 496, 656
Hot-Wire Anemometer 1083
Hot-Wire Anemometer, The 962
Hottest-Point Seeker 2083
Hydraulic Fluid Filter 302
Hydraulic Leakmeter 1966
Hydraulic Leakmeter Model 400-931
Hydraulic Power Units 1792
Hydrocarbon Detector 1873
Hydrogen Flame Detector 1032
Hyper Environmental Test Facility 674
Hysteresis Motor, Synchronous 734

I

IFAC Congress, Moscow, 1960 1279
Immersible Actuator 1048
Impedance Analyzer 1658
Impedance Comparator 1199, 1862
Improved McLeod Gage 1350
Impulse Counter, Printing 734
Inclined Manometers 2119
Inclinometer 1176
Inconel Tubing Protects Thermocouples Underground 1240
Indicating Controller 500, 1049
Indicator Lamp, Transistor 1045
Indicators, Combustion 304
Induction Brazing 860
Inductosyn, The 2050
Industrial Automation 1364
Industrial Cycle Timer 151
Industrial Mechanical Measuring and Controlling Instruments, U. S. Production of 237
Industrial Temperature Control 1954
Industrial Temperature Measurement and Control 208
Industrial Thermometers 1424, 1784
Industrial Thermometers, Adjustable-Angle 745
Industry Calibration Survey 596
Industry News 160, 305, 1635, 1817, 1997, 2147
Information Systems 41, 1807
Infrared Radiometry 1527
Infrared Scanner, Mini 865
In-Line Valve 493
Inquiries, Reader 15, 185, 360, 527, 715, 906, 1077, 1652
Inspection Gage, Electric 688
Instrument Air Dryer 324
Instrument Air at Mobil Oil 190
Instrument Bearings for Miniaturization 933
Instrument Cases 1589
Instrument Counters, Mini 856
Instrument Lathe 1983
Instrument Pivots, Mini 484
Instrument Plug Valves 1768
Instrument Rectifier 1597
Instrument Regulator 680
Instrument Slides 2114
Instrument Tubing Harness 1628
Insulated T/C Wire 516
Insulation Leakage Tester 648
Integral Cylinder Valves 2049
Integrating Amplifier 1812
Interference Filter 140
Interval Timer 144
Ionization Gage Control 1898
Ionization Gage, Vacuum 152
ISA Conference and Exhibit 1278

J

Journal of the SCMA 116, 276, 466, 642, 824, 906, 1170, 1362, 1580, 1755, 1931, 2088

K

Kearfott's Metrology Department 1735
Kelvin Bridge, and When to Use It 616
Kelvin Ratio Bridge 1769
Kelvin-Varley Voltage Divider 626

L

Laboratory Oven 2112
Lab Pressure Gage 492
Laboratory Recorder 667, 852, 1201
Lab Viscometer 1369
LACT for Oil Producers 642
Lamp Annunciators 887
Late Developments in Magnetic Tape 1961
Late Developments in Weight Instrumentation 1752
Leak Detector, Mass Spectrometer 207
Letters to the Editor 6, 174, 350, 522, 712, 902, 1074, 1228, 1447, 1646, 1828, 2008
Level Indicator 317
Level Pilot 2136
Level Switches, Ultrasonic Liquid 38
Life-Test Oven 1030
Light Sources for Pilot Lights 1250
Limit Switch, Rotary-Cam 132
Linear Accelerometer 1392
Linear Motion Transducer 734
Linear Programmed Chromatograph 372
Linear Sensing Bellows 2116
Linear Temp Programmer 304
Linear Variable Differential Transformer 1724
Lint-Free Coverall 1196
Liquid Detection Systems 1992
Liquid-Hydrogen Valves 1985
Liquid Level Control 1779, 1806
Liquid Level Controller 325, 1980
Liquid Level Indicator 1788, 1793
Liquid Level Indicator, Transistorized Remote 540
Liquid Meter, Chemical 1048
Liquid and Solid Level 134
Load Cell, 750° 2137
Load-Cell Weighing to 0.05% 1152
Load Indicator 1041, 1980
Load Limiting Relay 490
Loading Reactor 854
Logic Elements 474
Logic Switches 328, 386, 558
Low Capacity Bridge 876
Low-Cost Computer 1984
Low-Cost Counter 311
Low-Cost Leak Standard 145
Low-Cost Motor 2121
Low-Level D-C Amplifier, High-Speed 928
Low-Level Multiplexer 1968
Low-Pressure Transducer 317
Low-Resistance Measurements 630
Low Speed Applications, Low-Cost Transport for 1490
Low Thermal Choppers 1950
Lubricating Compounds 805
LVDT in Motion Measurement, The 1730

M

Machine Tool Control Systems 1371
Magnetic Shields 2135
Magnetic Storage Drum 1974
Magnetic-Tape Recording to 4 MC 1914
Magnetic Amplifier 124, 566, 862
Magnetic Amplifier, Min 302
Magnetic Disc Memory 480, 1200
Magnetic Flowmeter 40
Magnetic Heads, Integral Interlace 1174
Magnetic Memories 884
Magnetic Modulator 1028
Magnetic Multiplexer for the Commutation of Low-Level Signals 747
Magnetic Position Converter 551
Magnetic Shield, CR-Tube 860
Magnetic Shielding Cans 1000
Magnetic Storage Drum 857
Magnetic Tape Head and Guide 1809
Magnetic Tape Plotter 1619
Magnetic-Tape Recorders, Instrumentation 2046
Magnetic-Tape Records, Time Scale Expansion of 434
Magnetic Tape Transport 670
Manipulation of Symbolic-Logic Expressions 1141
Manometer, Cartesian 860
Manometer Check Valve 484
Manometer Standard 1100
Manual Digital VM 496
Manual Timing Techniques 1747
Manually Controlled Lens 374
Mass Flow Measurement 824, 966
Mass Flowmeter 1415, 1796
Mass and Force Standards at GE 1144
Mass Spectrometer 1058
Mass Spectrometer Leak Detector 207
Mass Standards 1154
Maximum Reading Meter 1190
Measurement of Noise, Vibration, and Shock 266
Measuring Controller 678
Measuring Solution Conductivity 612
Measuring Strain to 1000°F 1156
Mechanical Counter 2132
Medical Electronics 1240
Memo Disc 1026
Memory Core Tester 1043
Memo-Scope 1586
Memory Systems Tester 875
Mercury Plunger Relay 1602
Mercury Relays, Hi-Temp 1028
Metal Detector 1768
Metal-Retained Seals 1675
Metal-Sheathed T/C Wire 484
Metallic Bellows 1864
Meter Marker 546
Meter Tube Check Kit 2124
Metering Valve, Mini 1793
Metering Valves 1868
Metering Viscous Flow 1157
Meters, Scale-Expansion 743
Meters, Standard VU 852
Metrology Laboratory 411
Metrology Standards Lab 1532
Microammeter, Recording DC 129
Microbiological Assay 192
Micro Delay Plug-In 2131
Microflo Metering 1950
Micro-Flow Valve 1768
Microhm-Reading Bridge 491
Micromanometer, Wide-Range 1396
Micrometer, Electronic 688
Micro-Reactor Unit 1411
Microscope, Toolmaker 1047
Microscopes, Inverted 1061
Microsecond Computer, General-Purpose 1104
Microsecond Memory 884
Millivolt Potentiometer 1960
Millivoltmeter 1586
Mini Black Body Source 1041
Mini DC/AC Chopper 1413
Mini Electric Eyes 1952
Mini Encapsulated NOR Logic Circuit 1044
Mini Impulse Counter 1982
Mini Indicator Lights 1985
Minature Pickups 1392
Mini Pressure Switch 1408
Mini Sequence Timer 1979
Min Tape Reader Sec 146
Miniature Timing Devices 1961
Miniature Water Pump 1808
Miscellaneous Temperature-Measuring Methods 1921
Mobile Test Bench 661
Modular Dry-Box 876
Module Cans 1810
Modules for Digital Systems, Solid-State 1190
Moisture Analyzer 2136
Moisture Tester 879
Molecular Electronics 368
Monitor/Alarm System 1410
Monitoring Systems 1973
Monsanto Unveils Integrated Computer-Controlled Process 1888
Motor-Alternator, AC-AC 683
Motor Brake 312
Motor Clutch and Brake 1024
Motor Drive, Variable 1042
Motor-Driven Pump 2116
Motor Load Indicators 1036
Multichannel Digitizer 1488
Multimegacycle A/D Converter 1980
Multiple Meter 1952
Multiple Meter, Controlling 844
Multiplier Console 1180
Multiplier/Divider 502
Multipoint Controller 1368
Multipoint Recorder 676
Multi-Purpose Meters 1960
Multirange Meter 1977
Multitracer Unit 874

N

NBS Flow Program 1011
NBS Gage Block Calibration 1738
NBS Resistance and EMF Calibration Services 1168
Needle Valve 1770, 1802
Netic Tape Container 1574
New Applications 1240, 1658, 1844, 2022
New Concept in Patchboards 2038
News 20, 189, 364, 534, 727, 914, 1085, 1238, 1462, 1657, 1843, 2020
Nitrogen Analyzer 1053
Noise Integrator 322
Non-Clogging Ink Supply 1973
NOR Logic 1523
Null Voltmeter 1772
Numerical Control System 1803
Nylon Tubing for Instrument-Air Service 1676

O

Octave Band Analyzer 1386
Office Copier 1039
Ohmmeter, Wide Range 490
Oil-Free Compressor 447
One Ten-Millionth of an Inch 4733
Optical Pyrometers 1805
Optical Transducer 1767
Orifice Metering 116
Oscillator Transducer 1803
Oscillogram Reader System 139
Oscillograph, Direct-Recording 159
Oscillograph, Direct Writing 1609
Oscillograph, Low-Cost 1892
Oscillograph, Modular 498
Oscillograph, Portable 2131
Oscillograph, Readout 872
Oscillograph, Recording 135, 484
Oscillograph, 2-Channel 1409
Oscillographs, Transistorized 130
Oscillographic Recorder 159
Oscilloscope 864, 1202, 1782
Oscilloscope Camera 132, 296, 490
Oscilloscope, 500-Mc 1416
Oscilloscope, Hi-Speed 1596
Oscilloscope, Low-Frequency 1475
Oscilloscope, Portable 1382
Oscilloscope, Precision 1029
Oscilloscope, 7" 1786
Oscilloscope, X-Y 1035
Oscilloscopes, D-C Voltage Reference Supply for 1486
Oscilloscopes, Fast 1028
Overload Protector 124
Oxygen Regulator 1181

P

Packaged Air Shower 1812
Packless Valve 1426
Panel Instruments 1426
Panhandle Pete 44, 217, 397, 583, 755, 943, 1115, 1276, 1494, 1696, 1878, 2056
Paper Chromatograph 320
Paper Tape Perforator 298
Paper Tape Translator 1991
Particle Monitor 1045
PDM/FM Standards 410
Peak Accelerometer 324
Peak Following Amplifier 1200
Peak Picking Recorder 1032
Pen Motor 1490
Pencil Probe T/C 1178, 1622
People in the News 160, 304, 606, 728, 918, 1213, 1435
pH Meter, Portable 669
pH Meter, Recording 1196
Phase Angle Meter 128
Phase Controllers, Modular 1768
Phase Detector, Precision 236
Phase Shift Control 1056
Photodrawings 1680
Photoelastic Strain Gage 694
Photoelectric Cells 1188
Photoelectric Counter 1798
Photoelectric Pickups 144
Photographic Printer 1948
Photometric Analyzers 1799
Photorelay 126
Pipe Assembly System 1962
Placard Lights 1177
Plant Instrument Department, The 2067
Plastic Pipe Caps 2115
Plotter, X-Y 158
Plotting 12,000 PTS/SEC 1320
Pinboards 123
Plug-in Servo Amplifier 2042
Plug Valve, Lubricated 128
Plug Valves, Viton-Faced 496
Pneumatic Circuitry (Moleculonics) 204
Pneumatic Controllers 148, 2048
Pneumatic Flow Transmitter 1954
Pneumatic Gaging 1719
Pneumatic Pump Controller 1368
Pneumatic Regulator 1402
Pneumatic-Signal Recorders 67
Pneumatic Timer 318, 2135
Pocket Refractometers 499
Polyethylene Tubing 686
Poppet Check Valve 1959
Portable DC Voltmeter 2124
Portable Flow Calibrator 1976
Portable Gas Analyzer 2105
Portable Lab Freezer 1959
Portable Null-Balance Recorder with Self-Contained Power 2046
Portable Scope Dolly 1792
Portable Tape Winder 1962
Portable Vibration Meter 1954, 1982
Position Indicator 1408
Position Transducer 875
Positional Encoders, Absolute 42
Positioning Control 1706
Positioning by Magnetostriction 2102
Positron Scanner 198
Potentiometer, Multiturn 208
Potentiometer Transducers 1259
Potentiometer Wire, Effects of Winding Tension on Electrical Characteristics of 207
Potentiometer, Wirewound 1376
Power-Line Test Sets 1979
Power Rectifiers 1202
Power Relay 675
Power Supplies, Rectifier 871
Power Supply 1978
Power Supply, Capacitor Charging 1039
Power Supply, DC 487, 1766, 1962, 1979, 2132
Power Supply, Dual 1378
Power Supply, 8-Amp 1613
Power Supply, Hi Current 1412
Power Supply, Hi-Voltage 1201
Power Supply, Precision 1028, 1592
Power Supply, Regulated 1058
Power Supply, Solid-State 683
Power Supply, Tubeless 861
Precision AC Pot 315
Precision Counters, Gravimetric Feeder System Uses 364
Precision Differentials 388
Precision Gaussmeter, NMR 384
Precision Magnetic Pickup 1599
Precision Meter, Portable 1402
Precision Ovens 2127

Precision Pressure Balance 310
Precision Probes 1413
Precision Stock Differentials 35
Precision Tape Recorder 1978
Precision Test Gage 1628
Precision Torque Tester 660
Precision Volt Detector 1614
Preset Counters 310
Preset Totalizers 329
Press Gage, Diff- 155
Press Gage, Hydraulic Peak 873
Pressure Balanced Valves 489
Pressure Calibration 1611
Pressure Calibrator, Dig 877
Pressure Cell 1053
Pressure Controllers 1038, 1051, 1388
Pressure Controllers, S.S. 1177
Pressure Drop Indicator 2136
Pressure Gage, Multi-Purpose 670
Pressure Gage, Peak 134
Pressure Gage Tester 1035
Pressure Indicator 856
Pressure Indicator/Transmitter 491
Pressure Regulators 145, 306, 480, 1613, 1901, 2038
Pressure Standard 1604
Pressure Standards Lab 1344
Pressure Switch 151, 134, 1598, 2122
Pressure Switch, Miniature 844, 1250
Pressure Switch, Submin 875
Pressure and Temperature Compensation of Flow Signal by Computer 994
Press Test Gage, Ultra-Hi 1060
Pressure Transducer 1390, 1415, 1598, 1618, 1987, 2104, 2105
Pressure Transducer, Abs 669
Pressure Transducer, DC 1390
Pressure Transducer, High-G-Level 315
Pressure Transducer, Mini 1420
Pressure Transducers 150, 871, 1049
Pressure Transmitter, Diff 854
Pressure Transmitters 314, 2110
Pressure & Vacuums Gages 854
Printed Circuit Etcher 2116
Probe-Type Gas Detector 484
Process Analog-Computer Facility 618
Process Chromatograph 850
Process Control Computer 1990
Process Control Systems 112, 228, 462, 632, 816, 984, 1162, 1358, 1531, 1751, 1929, 2064
Process Flame Photometer 866
Process Refractometer 137
Production Rate Analyzer 1956
Profile Monitor 476
Program Controller, Temp- 148
Program Timer for GSE 470
Program Timers 1336
Program Transmitter 693
Programmed Supply 1605
Programmer 687
Programmer, Sequence 879
Projection-Type Readout 147
Proportioning Pump 147
Proportioning Pumps, pH-Control 482
Proving Rings 496
Proximity Systems 548
Proximity Transducer 137
P/S for Strain Gages 1380
Pulse Controller 122
Pulse Generator 1376
Pulse Magnetic Recording 383
Pulse Programmers 1780
Pulse Rate Integrator 311
Pulse Transformers, Miniature 200
Pumping Station, Hivac 1587
Punched Card Reader 1786
Punched Card Sensor 125
Punched-Paper Reader 302
Punched Tape Reader 886
Purge Meters 128
Purged Pitot Tube 1608
Push-Button Generator 882
Push Button Switch 2114
Push-Button Timers 316
Push-Pull Gages 1902
Pyrometer, Portable 323
Pyrometer, Radiation 883
Pyrometers, Land Radiation 1484

Q

Quadruple Flip-Flop 2130
Quality Control Computer 1964
Quick Disconnect 1790

R

Rack-Mounted Scope 1625
Radar Display Computer 370
Radiant Energy Standards 153, 1948
Radiant Heat Bath 1650
Radiation Detector 141
Radiation Pyrometer 294, 1290
Radiation Thermometer 157, 1046, 1415
Radioactive Fluids Pumps 886
Radioactivity-Controlled Time-Delay Circuits 2077
Radioactivity Detector 1800
Radioactivity Monitor 1421
Radiometer, Miniature 490
Random Access Memory 1378
Rate Generator 678
Ratio Computer, Mixture 862
Ratio Pyrometer, The 64
Ratio Timing Devices 1038
Readout Unit, Bin/Dec 878
Reading Meter-Relay, Continuous 42
Receiver Indicator 868
Recorder, Adjustable-Span 1620
Recorder, 400-Point 1368
Recorder, Portable 697, 843, 1402, 1596
Recorder, Press/Temp 1597
Recorder-Receivers 887
Recorder/Reproducer 690
Recorder, 16-Channel 493
Recorder, Time-Speed 1614
Recorder, 12" 146
Recorder, Two-Axis 1779
Recorder, X-Y 323, 934
Recorders, Cloud Height 844
Recorders, Expanded-Scale 1627
Recorders, Limit-Contact 1030
Recording Chart Paper 1185
Recording Instruments 480
Recording pH Meter 1940
Recording System 1786, 1956, 2134
Recording Thermobalance 1983
Rectilinear Transducers 302, 1040
Reduced Port Pinch Valve 1028
Reducing Regulator 1982
Reed Cut-Off System 494
Refractory Metal T/C 1407
Refrigerated Air Dryer 1424
Refrigerated Bath 1411
Regulator, S.-S. 1623
Relay, Latch-In 866
Relief Valve, In-Line 1403
Remote Control System 1192
Remote Mike 1409
Remote-Reading Electronic Thermometers 1262
Remote-Readout Modules 1790
Remote Selector, Random 806
Repeat Cycle Timers 488
Report on NBS 1128
Reset Timer 1788
Reset Timer, Multi-Unit 850
Reset Timer, Plug-In 1602
Resistance Elements for Missile Temperatures 992
Resistance Strain Gage 1968
Resistance Temperature Detectors 41, 791, 1862
Resistance, Variable 685
Resistivity Bridge 1417
Resistor Alloy, 800-Ohm 1258
Resistor Material 501
Resistors, Miniaturized 1037
Restarting Control 674
Revolution Counter 294
RF Amplifier Tubes 2118
Ribbon Indicator 680
Ring-Balance Meter 1106
Ring Codes 954
Rosette Strain Gage 1592
Rotameter Transmitter 135
Rotary Feeder 1977
Rotary Shaft 362
Rotary Switch 142, 1961
Rotary Table 2118
Rotating Coil Fluxmeter 2133
Round Chart Rec/Cont 590
Rubber Sleeve Valve 1987
Rupture Discs 1599

S

Safety Relief Valves 290, 1862
Safety Shut-Off Valve 2121
Sample and Hold Module 1197
Sample-System Design 1755
Sampling System, Pulse 886
Sampling Valve 1044
Satellite Computers 1392
Sawtooth Generator 251
Scaler Ratemeter 497
Scanner Relay, Photoel 1596
Scanners, Input 877
Scanning Printer 136
Schering Bridge, Hi-Volt 1044
Schneider Lens Types 1108
Scientific Computer 145
Scintillation Monitor 1791
Scope Cart 1589
Screw Thread Comparator 1617
Sealed Time Totalizer 1425
Secondary Time Standard 1028
Selector Recorder 677
Selector Switch 1746
Selector Valve 1236
Selector Valve, Four-Port 664
Selenium Diodes, Miniature 156
Semiconductor Digitizers 539
Sensing Tubes 1418
Sensitive DC Meter 2106
Sensitive Indicator Lamp 1004
Serial Comparison by Symbolic Logic 704
Servoamplifier 1773
Servo-Controlled Magnetic-Tape Delay Line 433
Servo Controller Combinations 673
Servomanometers 279
Servo Motor 1622
Servo Motor, Precision 832
Shaft Angle Encoder 634
Shaft Assemblies 674
Shaft Digitizing System 691
Shaft Position Encoder 327, 477, 1368
Sheath Stripping Tool 474
Sheathed Thermocouples 1808
Sheet-Lifter Weighing 1376
Shielded Resistor 1198
Shift Register 492
Shock Protection 1605
Shock Recorder 483
Signal Commutation 1262
Signal Correlator, Random 675
Signal Generator, X-Band 474
Silicon Mesa Switcher 1592
Silicon Zener Diodes 539
Silicone Extruded Tubing 1394
Silver-Zinc Battery 1057
Simple Analog-Computer 251
Simulation Council Newsletter 07, 283, 445, 651, 829, 1013, 1119, 1293, 1549, 1750, 1937, 2091
Simulation of Economic Systems 2100
Simulation of Zero-G Aircraft Control 1564
Sine Wave Transformer 1201
Slide Plate Readout 383
Soil Resistance Meter 1791
Soldering Line, Transformer 843
Solenoid-Released Brake 1809
Solenoid Valve, 4-Way 1621
Solenoid Valve, High Press 137
Solenoid Valve, Midget 1416
Solenoid Valve, 2-Way 1590
Solenoid Valves 849, 1950, 1988
Solenoid Valves, 4-Way A-C 308
Solenoid Valves, 3-Way 124
Solid-State An/Dig Converter 1047
Solid-State Flame Detector 2128
Solid-State Transducer 1371
Solution Conductivity 26
Solution Controller 156
Solvent Film Cleaner 304
Sound Level Meter 1418, 1774
Sound, Noise, and Hearing 249
Special Thermo-Wells 1791
Spectrometer Analyzer, Near-IR 453
Spectrophotometer 843, 1622
Spectrophotometer, Emission 503
Spectrophotometer, Reflectance and Emissivity 677
Spectrum Analyzer 682
Spectrum Equalizer 1501
Speed Drives, Variable 853, 874, 1394
Speed Motor Drive, Variable 876
Speed Reducer, Modular 860
Split-Body Valves 2137
Split Packing Gland 1782
Split-Second Spectrometer Used Overseas 363
Spot Particle Resolver 1773
Spring Set Solenoid Released Brake 1805
Sprinkler Press Control 1990
Standard Consoles 143
Standardized Tests for Ball Bearings? 1346
Standards and Units 660
Start-Stop System 1407
Static Flip-Flop Tester 495
Step Control Switch 139
Stepless Input Controller 1035
Stepping Switch 1174, 1402, 1787
Stereo Recorder 563
Stock Report 48, 194, 540, 730, 1086, 1245, 1466, 1662, 1849, 2026
Stopwatch 1770
Stopwatch, Central-Minute-Register 868
Storage Device 1185
Storage System, Image 694
Strain Gage 2134
Strain Gage Adapter 673
Strain Gage, Mini 2129
Strain Gage, Optical 35
Strain Gage Recorder 858
Strain Gage, Temperature Compensating 295
Strain-Gage Transducer, The 1745
Strain Gages, P/S for 1309
Strain Gages, Weldable 2040
Strain Indicator 136, 1969
Strain Sensing, Ultra-sensitive 734
Stress Computer 847
Strip Chart Printer 884
Strip Chart Recorder 477, 1794, 1897, 1956
Strip Chart Recorder, Rectilinear 503
Stroboscope 1690
Stroboscope, Electronic 664
Stunt Box 1927
Subaudio Variable Filter 1979
Submini Power Packs 1592
Supervisory Control, Continuous 1100
Surface Finish Adapters 679
Surface Pyrometer, Portable 551
Surface Temperature Measurement 70
Surface Thermocouple 1779
Survey Meter 1979
Survey Meter, Radiation 880
Swage-Type T/C's 1052
Swaging Tube Checks 2119
Switch Racks, Aluminum 880
Synchronous Motor 1202 1961
Synchronous Motors, Permanent-Magnet 1250

T

Table Top Computer 1787
Tachograph 558
Tantalum Foil Capacitors 1412
Tape Converter, Bi-Directional 676
Tape Handlers 142
Tape Perforator, Super-Speed 1682
Tape Plotting System 1843
Tape Programmer 1384
Tape Reader 1583
Tape Reader, Perforated 1601
Tape-Reader Speeder 496
Tape Recorder, Miniature 2110
Tape Reliability 294
Tape Splicer 141
Tape Systems 1909
Tape Transport System 1190
TC Control Unit 1612
TC Gland, Midget 661
T/C Selector Switches 1793
Teaching Device, Automated 35
Teaching Servosystems, A New Concept for 390
Technical Communications 962
Teflon Bushed Gage Movement 478
Teflon-Faced Diaphragm Valves 1948
Telesetering Equipment, Remote Automatic 1675
Telescope 1794
Teletype Stunt Box 938
Television Generators 372
Temp Chamber, Portable 315
Temperature Calibration Survey 778
Temperature Chambers 1638
Temperature Coatings 1978
Temp Compensation Resistor 2110
Temperature Control 1600
Temp Control Panel 1807
Temperature Control in Transistor Manufacture 20
Temperature Controllers 152, 311, 494, 847, 1037, 1195, 1625
Temp Controls, Transistor 1184
Temperature Detectors 1374, 1811
Temperature Indicator 294, 1806
Temp Measurement System 1624
Temperature Measurement with Thermistors 86
Temp-Monitor System 1800
Temperature-Probe Leads 684
Temperature-Probe Response Time 804
Temperature Recorder, Humidity and 1591
Temp Recorder, Mini 2129
Temperture Regulator 474
Temperture Sensors 692, 884
Temperature Sensors, In-Wall 1253
Temp Shock Chamber 1400
Temperature Standards 770, 775
Temperature Standards at GE 786
Temperature Standards Lab 782
Temperature Transducers 158, 1025
Template Symbols, EASE 922
10-Nanosecond Time Quantizer 1900
Tension Control, Automatic 158
Tension in Industry 2001
Terminals & Feed-Throughs 1595
Test Chamber 312
Test Chamber, Environmental 1026
Test Chamber, Environments 497
Test Chamber, Lo-Hi 1621
Test Equipment, Universal Control and 744
Test Gages 326
Test Gauge, Ultra High Pressure 928
Test Instrument, Portable 1372
Test Probes 2120
Test Set, Semi-Automatic 887
Test Stand, Low-Cost 1614
Test Unit, Integrated 879
Tester Work Base 1184
Testing Insulation Materials 1869
Testing Small Orifices 996
T-Fitting 2114
Thermal Analog Tubes, Mini 1610
Thermal Conductivity Cell 679
Thermal Gas Analyzer 1266
Thermal Synthesis Relay 1027
Thermal Timer 1587
Thermion, The 1925
Thermistor Psychrometer 138
Thermistors 85
Thermocouple Adapter 312
Thermocouple Assemblies 1622
Thermocouple Calculator 327
Thermocouple Calibrator 1946
Thermocouple Circuits, Errors in 80
Thermocouple Current Indicators 606
Thermocouple, High Temp 150
Thermocouple Insulators 1625
Thermocouple, Mini 2104
Thermocouple Temperature Measurement without Special Instruments 76
Thermocouple Temperature Millivolt Tables 385
Thermocouples Wire Skinner 880
Thermocouples, Hi-Temp 1047
Thermocouples, Low-Temperature Characteristics of Chromel-Alumel 98
Thermocouples, Metal-Sheathed 2046
Thermocouples with Non-Standard Reference Temperature, Using 106
Thermocouples, Sheathed 1425
Thermocouples, Spring-Loaded 2037
Thermoelectric Generator Elements 141
Thermometer, 6-Pt-Stem 1060
Thermometer, Vapor-Press 322
Thermometers, Surface 321
Thermometry for Low Temperatures 1917
Thermostat 1606
Thermostatic Steam Traps 1586
Thermowell Packaging 675
Thermowell, Sub-Min 310
Thermowells, Low-Cost 1587
Threaded Union 1799
3-Mode Controller 1974
Time Analyzer 928
Time Analyzer System 500
Time Base 132
Time Code Generator 1260, 2122
Time Code on WWV 1941
Time Controller, Elapsed 873
Time Delay Timer 1404
Time Indicator, Elapsed 1394
Time Indicators 853
Time Standards 1346
Time Utilization Meter Panel 1600
Timer, Push-Button 1595
Timers 1324
Timing Synchronization to 10⁻⁹ Second 2086
Timing System 1490
Timing System, Precision 804
Tone Signalling Systems 1490
Torquemeter 157
Torque Tester 1195
Total-Temperature Measurement 800
Totalizing Counter 1594
Transducer Evaluation 979
Transducer, Force-Balance 1475
Transducer, Hi-Pressure 1642
Transducer, Solid-State 1176
Transducers, 878, 1868
Transfer Volt-Ammeter 1972
Transformer, 500-VA 1602
Transformer Panel 1621
Transformer Tester 1773
Transformers, Variable 376
Transistor Level Control 648
Transistor Switching Unit 1178
Transistor Temp Test Set 1372
Transistor Test Set 680
Transistorized and Magnetic Modules 379
Transistorized Modules 640
Transistorized P/S 476, 1410
Transistorized Relay 1792
Transit Case, Modular 850
Translator/Editor System 127
Transmissibility Recorder, Vibration 887
Transmitter, Indicating 1025
Transmitters, Diff-Press 1591
Transponder 2120
Traveling-Wave Tube P/S 1460
Trends 19, 187, 399, 532, 723, 925, 1097, 1256, 1459, 1655, 1841, 2015
Tri Color Annunciator 1978
Triple-Point-of-Water Temperature Reference 1913
True Volume Measurement 1259
Tube Fittings 1492
Tube Tester 132
TV Picture Storage 1678
20-Channel Time Analyzer 1981
Twister Permanent-Magnet Memory Now Mass-Produced 180
200-Point Recorder 1767
256-Channel Analyzer 1045

U

Ultrasonic Basket 850
Ultrasonic Flaw Alarm 299
Ultrasonic Cleaners 660, 2110
Ultrasonic Inspection 1024
Ultrasonic Liquid Level Switches 28
Ultrasonic Sensor 1479
Ultra Speed Camera 472
Universal Code-Tape-to-Card Converter 1675
Universal Linear Operator 386
Universal Programmer 1620
Uranium Isotope Analyzer 1198

V

Vacuum Controllers 1589
Vacuum Furnace 486
Vacuum Gage 303, 1774, 1782, 2111
Vacuum Gage, Wide-Range 1052
Vac Indicator-Controller 1986
Vacuum Leaks 1959
Vacuum Pumps 324
Vacuum Recorder 1613
Vacuum Tube Voltmeter 1416
Vacuum Valves 1055
Vadac Unit 323
Valve Actuator, Motorized 1260
Valve Actuator, Remote 844
Valve Control System 1055
Valve Lubricator, Automatic 1616
Valve Operation Analyzer 1782
Valve Operator 1796
Valve, Pinch-Type 1624
Valve Positioner 1498, 1979
Valve, Safety Relief 299
Valve, Sampling 1186
Valve, Sleeve 1194
Valve, Three-In-One 1185
Valves, Ball 470
Valves, Bearing-fixed 556
Valves, Diaphragm 1196
Valves, Flo-Ball 198
Valves, Multi-Port 147
Valves, Shear-Seal 1178
Valves, Solenoid 1194, 1200
Vapor Thermometers 308
Variable Bandpass Filter 1786
Variable Delay Lines 2127
Variables Measured Through Pressure-Tight Wall 1857
Venturi-Ball Valves 1484
Vernier Pressure Regulator 2129
Vernistat, The 2037
VHF Admittance Bridge 478
Vibration Calibrator 2111
Vibration Measurement in Gas Turbine Blades 254
Vibration Measurement, Quality Control in Bearing Manufacture and 200
Vibration Meter 159
Vibration Monitor 319
Vibration Spectrum Analysis 232
Vibration Tester 1388, 1419
Vibration Testing of Instruments 234
Vibration Valve 1029
Vibrational Environment, Instruments are Affected by 1001
Vibron Electrometer 556
Video-Band Recorder/Reproducer 1684
Videograph Process 439
Video Recorder/Reproducer 870
Vidicon 1618
Viscometer 1946
Viscometer Calibrating Fluids 1160
Viscometer for Polymer Research 1688
Viscosity Controller 1794
Viscosity Transmitter 1956
Visual Control Board 2115
Voltage Amplifier, A-C 922
Voltage Calibrator 1964
Voltage Divider Calibration 1680
Voltage-to-Frequency Converters 1027, 1048
Voltage Recorder 850
Voltage Reference Source 677, 885
Voltage Standard, AC 880
Voltage Standard A-C 880
Voltmeter, Deviation 1056
Voltmeter, Incremental 1055
Voltmeter, Recording 1192
Voltmeter, 200,000 VDC 1412
Voltmeters-Ballometers 2137
VTVM Kit, A-C 670

W

Want an Overseas Instrumentation Job? 761
Washable Tracings on Drafting Film 1476
Waste Water Analyzer 1419, 1619
Weighing System, Dairy Converts to Load-Cell 28
Weighing Systems, Hydraulic 1183
Weight Standards Laboratory 1154
Welded Thermocouple Junctions 988
Welding Head 1410
Well Testing System 1801
What Do Thermistors Do? 2049
What to Look for in Electronic Control Systems 1720
What Price Translation? 596
What Variables Can't You Measure Satisfactorily? 1280
Wide-Angle Readout 1039
Wide-Band Preamplifier 1964
Wideband Tape Systems 1857
Wide-Range Thermometer 1987
Wire-Spring Relay 1188
Wire Stripper 486
Wirewound Resistors 1402
Wow and Flutter Compensation 420

X

Xenon Thyratrons, Pure 1203

AUTHOR INDEX

A

Abrax Instrument Corp. 1987
Abtronics, Inc. 194, 321, 896
Acme Electric Corp. 1490
Acoustica Associates, Inc. 38
Acton Labs., Inc. 847, 1979
Adage, Inc. 538, 1197, 1986
Adalet Mfg. Co. 499
Adams, J. W. 2083
Adcon Div. 1972
Advanced Development Div. 1198
Advanced Instrument Corp. 1046, 1873
Advanced Technology Labs. Div. 470, 492, 1253
Advisco 1770
Ad-Yu Electronics Lab., Inc. 128, 296, 491, 1786, 2127
Aeronautical and Instrument Div. 134, 1181
Aerostronic Div. 1026
Air Conditioning Equipment Corp. 1197
Airmatic Valve, Inc. 1194, 1987, 2038
Airpax Electronics Inc. 1194, 1857
Airtronics, Inc. 2127
Ako Valve Co. 1199
Alden Electronic & Impulse Recording Equipment Co., Inc. 944, 1986
Alden Products Co. 1589
Alexander, M. A. 1900
Allied Chemical 1676
Allied Control Co., Inc. 1988
Allison Labs., Inc. 1386, 1979
Allor Bellows, Inc. 944
Almond, Robert J. 80
Almor Instrument Co. 1625, 1784, 2128
Alpha Tech Products 1192
Alterman, D. 962, 1231
Amereseo Inc. 691
American Chain & Cable Co., Inc. 478, 670, 866
American Electrical Heater Co. 843
American Instrument Co., Inc. 35, 1983
American Machine & Metals, Inc. 146, 847
American Measurement & Control Inc. 1026, 1591, 1974
American Meter Co. 1807, 1946, 2128
American Moistening Company 15
American Optical Co. 1784, 1946
American Research Corp. 1026
American-Standard 476, 692, 1253
Amot Controls Corp. 1029
Ampex Data Products Co. 1857
Amphenol-Borg Electronics Corp. 1376, 1806, 2104
Anadex Instruments, Inc. 311
Anaheim Electronics Div. 1384
Analab Instrument Corp. 1029, 1786
Analogue Controls, Inc. 298
Analytic Systems Co. 1799
Analytical Measurements, Inc. 669, 1196, 1969
Anderson, Marvin E. 434
Andrews, Glenn E. 715
Andrews, Jack M. 1540
ANelex Corp. 1784
Angelica Uniform Co. 1196
Annis Co., R. B. 1614, 1956
Applied Dynamics, Inc. 1787
Applied Physics Corp. 1504
Applied Research Assoc. of Texas, Inc. 1027
Applied Research Lab. 1160
AquaMatic, Inc. 1196
ARCCO Instrument Co. 2126
Arcweld Mfg. Co. 1946
Ardwin Microlab Inc. 1594
Armour Corp. 158, 298, 1024
Aronson, Milton H. 108, 260, 442, 958
Arteraft Electric Supply Co. 548
Asea Electric, Inc. 2042
Assembly Products, Inc. 42, 844, 1380, 1807, 2129
Associated Control Equipment, Inc. 318, 1376
Associated Research Inc. 688, 1198, 1595, 1791, 1860
Associated Testing Labs., Inc. 1621
Astra Corp. 662
Astronics 2129
Atkins Technical, Inc. 138, 666, 1952
Atkins, Sr., Robert A. 352
Atkins, Robert M. 80
Atkomatic Valve Co. 1200
Atlantic Pyrometer Inc. 551
Attwood, John G. 2068
Automatic Controls Div. 1416
Automatic Electric Co. 922
Automatic Electric Labs. 1188
Automatic Switch Co. 124, 848, 1589, 1621
Automatic Timing & Controls, Inc. 200, 294, 1398, 1595, 1983
Automation Div. 1864
Automation Inc. 1200
Autotronics, Inc. 683
AVCO Research 1198
Avien, Inc. 1614
Avionic Div. 852, 1622

B

Bailey Meter Company 41, 498, 1807, 2129
Bailey, Edwin 1647
Baird-Atomic, Inc. 198, 497, 843, 1051, 1198
Baker Instruments, Inc. 1812
Baldwin-Lima-Hamilton Corp. 295, 694, 696, 1053, 1176, 1592, 1626
Ballantine Labs. 1417
Barber-Colman Company 120, 548, 1587, 1620, 2045
Barksdale Valves 1178, 1626
Barnett, E. Harvey 170, 352
Barton Instrument Corp. 1384
Bartz, A. M. 458
Barworth Inc. 1028
Bausch & Lomb Optical Co. 1622
Beattie-Coleman, Inc. 132, 490
Bechtel, A. R. 616
Beckman/Berkeley Div. 922
Beckman Instruments, Inc. 1039, 1597
Beckman Scientific and Process Instruments Div. 843, 1032
Beckman & Whitley 862
Bekey Electric Div. 734
Bell Telephone Labs. 884
Bell & Howell 1420, 1598
Bellerville-Hezem Corp. 1055
Bendix Computer Div. 479, 2037
Bendix Corp. 1491
Bennett, P. R. 523
Benson-Lehner Corp. 139, 472
Benson, James M. 996
Berkeley Div. 1039, 1597
Berkeley/Dynamics 126
Besler Corp. 1785, 2126
Bethlehem Apparatus Co., Inc. 1253
B & F Instruments, Inc. 2129
B & H Instrument Co., Inc. 736, 1806
Biddle Co., James G. 1479
Biedler, Richard T. 1833
B-I-F Industries, Inc. 482, 887
Bircher, J. A. 354
B & K Instruments, Inc. 204
Black, Sivalls & Bryson, Inc. 1415
Blue M Electric Co. 1411
Bodnar and McDermott Mfg. Co. 2120
Bomar Labs. Ltd. 2116
Boonshaft and Fuchs Inc. 2136
Boonton Electronics Corp 2106
Boonton Polytechnic Co., Inc. 2137
Boonton Radio Corp. 690
Borg Equipment Div. 1376, 1806, 2108
Boswell, John 1523
Bourns, Inc. 669, 1786, 2105
Bowmar Instrument Corp. 826, 2108
Branson Instruments, Inc. 299
Branson Ultrasonic Corp. 2110
Breeze Corp. 2116
Bridgeport Thermostat Div. 1864
Bristol Co. 294, 474, 500, 680, 677, 875, 878, 1049, 1591, 1767
Brookfield Engrg. Labs., Inc. 1794
Brooks Rotameter Co. 551
Brooks, Robert W. 406, 579, 766, 954, 1311
Brown Instruments Div. 676, 858, 936, 1047, 1954
Brush Instruments Div. 496, 679, 1178, 1597
Bryant Computer Products Div. 383, 857
Buck Instrument Co. 692
Buffalo Meter Co., Inc. 1048
Bukstein, Ed 1314
Burt, David L. 64
Burke & James, Inc. 1594
Burleigh Brooks Inc. 1108
Burling Instrument Co. 1606
Burroughs Corp. 494
Bush, Jerold R. 712
B/W Controller Corp. 1806
Bytrex Corp. 126, 854

C

California Computer Products, Inc. 1976
California Controls Co. 1058, 1972
Calif. Lab. Equipment Co. 320
California Technical Industries Div. 2126
Carey, James W. 1976
Carlson, John F. 90
Carlton Controls Corp. 1766
Carlton, J. L. 965
Carter Co., J. C. 2133
Cartesian, M. 1137, 1447
Cash-Acme 306, 667
Cawley, J. H. 1449
Central Scientific Co. 1052, 1400, 1811
Centre Circuits, Inc. 1948, 2116
Century Electronics & Instruments, Inc. 734, 2046
Century Engineering Co. 2119
Cerni, Richard H. 420
CGS Labs. 308
Chatillon & Sons, John 1767
Chem Flow Corp. 299
Chemiquip Co. 1424
Chicago Dynamics Industries, Inc. 2132
Christian, W. S. 466
Christman Industries 2114
Chrono-Log Corp. 1626
Circle Seal Products Co., Inc. 664
Circo Ultrasonic Corp. 850
C & K Components, Inc. 474, 1043
Clare & Co., C. P. 677, 1174, 1787
Clarkson Labs., Inc. 666
Clary Corp. 130
Cleveland Controls, Inc. 28
Cleveland, D. S. 824
Clevite Corp. 479, 679, 1174, 1178, 1597
Clevite Electronics Components Div. 1174, 1425
Clippard Instrument Lab., Inc. 879
Clover Industries, Inc. 2115
Co-Engineering Co. 383
Cohu Electronics, Inc. 880, 1406, 1970, 1981
Coleman Electronics, Inc. 42, 1368
Coleman Instruments, Inc. 1053
Coleman, P. H. 300
Collins Corp., G. L. 734, 1176
Colorado Oil & Gas Corp. 1802
Color-Lite Div. 2114
Colvin Labs. 1768
Comar Electric Co. 1402
Commercial Plastics Co. 2114
Communication Measurements Lab., Inc. 1042
Communications Accessories Co. 202
Communications & Industrial Electronics Div. 1024, 1380
Components Div. 1030, 1810, 2104
Components Marketing Div. 1180
Comptometer Corp. 157, 1046, 1415, 1962
CompuDyne Corp. 673, 1974
Computer Components Div. 317
Computer Control Co., Inc. 495, 881, 1396, 1482, 1613
Computer Div. 1491
Computer Engineering Associates, Inc. 1380, 1809
Computer-Measurements Co. 127, 141, 304, 1600
Computer Systems Inc. 138, 1422, 1600, 1976
Computers, Inc. 1676
Conant Labs. 1507
Conax Corp. 661, 1782, 2037
Conley, Baltzer & Steward 2115
Conrad-Carson, Inc. 312, 2110
Consolidated Avionics Corp. 1782, 2132
Consolidated Controls Corp. 314, 1591, 2132
Consolidated Electrodynamics Corp. 127, 310, 498, 692, 850, 1058, 1426, 1598, 2131
Cons. Resistance Co. of America, Inc. 1028
Cons. Siphon Supply Co. 1035
Consolidated Vacuum Corp. 1418, 1782
Continental Mfg. Co. 1768
Control Components Div. 2110
Control Data Corp. 880, 1054, 1392
Control Devices Div. 1954
Control Equipment Co. 493, 660
Control Indicating Corp. 2050
Controls Div. 300
Convair Div. 951, 1025, 1966
Convair Instruments 951, 1025, 1100, 1966, 2115
Cook Batteries, Div. 686, 1057
Cooke, Inc., F. J. 1598
Cortelyou, J. T. 276
Costello, Joseph E. 1838
Cramer Controls Corp. 1425
Crane Co. 680, 1060, 1906
Crawford Fitting Co. 865
Crawford Co., C. H. 2114
Crescent Engrg. & Research Co. 302, 1040
Crest Instrument Co. 2112, 2131
Crown International 503
Cubic Corp. 850, 1976, 2118
Curtiss-Wright Corp. 503, 1030
Custom Component Switches, Inc. 1598
Custom Engineering & Development Co. 1894
Cutler-Hammer 2135

D

Dahl Co., Inc., George W. 154, 493, 1426
Dale Products Inc. 1044, 1402
Dandois, Felix E. 2007
Daniel Orifice Fitting Co. 2134
Das, D. K. 2045
Data Instruments 681
Datamatic Div. 842
Data Processing Div. 143, 682, 1684, 1766, 1984, 2122
Datex Corp. 158, 2134
Daystrom, Inc. 157, 329, 693, 873, 1033, 1188, 1368, 1620, 1960, 1966
Daystrom-Weston Sales Div. 329
DeJur-Amsco Corp. 1250, 1426
Dekoron Products Div. 1628
Delavan Mfg. Co. 1479
Delco Radio Div. 1992
Delmar Scientific Labs. 322
Delsen Corp. 2120
Delta Design, Inc. 315
DeRoy, P. E., Benjamin E. 6
Despatch Oven Co. 2113
deVar Systems, Inc. 1857
Development Engrg. Co., Inc. 498, 1691
Dexter, Jr., Albert M. 1733
DeZurik Corp. 496
Dialight Corp. 1177, 1250, 1985
DI/AN Controls, Inc. 1769
Dice Co., J. W. 668, 1408
Dickinson & Associates 2110
Diehl Mfg. Co. 158, 1803
Dietert Co., Harry W. 879
Digital Equipment Corp. 494, 875, 1943, 1991, 2130
Digitran Co. 1197
Digitronics Corp. 303, 496, 676, 1691
Dillon & Co., Inc., W. C. 154, 312, 662, 850, 1060, 1184, 1372, 1606, 1902
Diversa Electronics Corp. 1944
Dormer Scientific Co. 158, 538
Dowdell, Rodger B. 1006
Dragon Engrg. Co. 1770
Dresser Industries, Inc. 159, 1469
Drinker, P. H. 972
Du-Co Ceramics Co. 1625, 2119
Du Mont Labs., Inc., Allen B. 387, 379, 675, 864, 1475, 1625, 1964, 2131
Du Pont de Nemours & Co., E. I. 294, 1682
Durant Mfg. Co. 1788
Dwyer Mfg. Co., F. W. 495, 1608, 2119
Dycho Corp. 684
Dye, Joseph L. 522
Dyer, Dicky 762
Dyker Systems Div. 676
Dyker Tape Reader Div. 303, 496, 1691
Dymec Div. 304, 474, 1027
Dynage, Inc. 1964
Dynamic Gear Co., Inc. 35
Dynamics Controls Co. 487, 1195
Dynamics Research Corp. 1195
Dynisco, Inc. 488

E

Eagle Signal Company 132, 470, 1602
Earle Gear & Machine Co. 1260
Eastern Technical Associates, Inc. 1812
Eastman, Prof. L. F. 1925
Ebert Electronics Corp. 675, 1602
ECI Mfg. Div. 1675
Edcliff Instruments 1176, 1259
Edgerton, Germeshausen & Grier, Inc. 1028
Edison Industries, Thomas A. 41, 294, 1374, 1811, 1948
Edmund Scientific Co. 1808, 1952
Edwards Co., Inc. 887, 932
Ekstrom Co., R. A. 404
Eldorado Electronics 507, 500, 673, 928, 1944
Electric Autolite Co. 1948
Electric Regulator Corp. 685, 1272
Electric Specialty Co. 693, 931
Electro Devices Inc. 1976
Electrodynamic Instrument Corp. 1769
Electro Instruments, Inc. 472, 668, 865, 1106, 1812, 2130
Electro-Logic Corp. 1041
Electro Measurements, Inc. 1163
Electro Mechanical Instrument Div. 2131
Electro-Mechanical Research, Inc. 1768
Electro Mechanisms Corp. 156
Electro Precision Corp. 691
Electro Products Labs. 548, 1410
Electro Scientific Industries 1680, 1769
Electronic Counters, Inc. 1966
Electronic Development Corp. 885
Electronic Div. 922
Electronic Engineering Co. 1384

Electronic Associates, Inc. 501, 1619
Electronic Engrg. Co. of Calif. 687, 945, 1200, 2122
Electronic Instrument Co., Inc. 736
Electronic Tube Div. 494, 661
Electronics Controls Inc. 1675
Electronics Div. 1426, 1767, 1774
Electronics, Inc. 487
Electronics & Instrumentation Div. 295, 694, 836, 1653, 1176, 1592, 1628
Electronics Processes Corp. of Calif. 152, 311, 1037
Electrons, Inc. 1203
Elematic Equipment Corp. 482
Elkon Ultrasonics, Inc. 1024
Emery Co., A. H. 1103
Engelhard Industries, Inc. 864, 1407, 1972, 2105
Engineered Electronics Co. 1604
Engis Equipment Co. 472
Epic, Inc. 848
Epsco, Inc. 153, 493, 1810, 1811, 1980, 2105
Epsco/Worcester Div. 493
Equipment Div. 886, 1980
Equipment Sales Co. 474
Era Pacific, Inc. 1592
Erickson, E. L. 1362
Erie Pacific 864
Erwood, Inc. 668
Escortronics 1603
Esterbrook Pen Co. 546
Esterline-Angus Co. 129, 1192, 2104
Eubanks, R. A. 251
Exactel Instrument Co. 379

F

Fairbanks Morse & Co. 1690, 1767, 1774
Fairchild Camera & Instrument Corp. 692, 1964, 2131
Fairchild Controls Corp. 2104
Fail Industries, Inc. 1199
Falstrom Co. 143
Farmer Electric Products Co., Inc. 865, 1596
Farr, R. L. 770
Farrand Controls, Inc. 2050
Farrington Mfg. Co. 1974
Farris Engineering Corp. 1383, 1614, 1862
Fecker Div., J. W. 1946
Federal Mfg. & Engrg. Corp. 1037
Feldman, Edward F. 232
Fenco, Inc. 158
Fenwal Inc. 1029, 1184, 1690, 2049
Ferranti Electric, Inc. 324, 682, 2104
Ferris, John T. 527
Fike Metal Products 1509
Filban, Thomas J. 116
Fischer & Porter Co. 40
Fisher Controls Inc. 1403
Fisher Governor Co. 149, 1979
Fisher Scientific Co. 1201
Fish-Schurman Corp. 140
Flow Corp. 675, 1602
Fluid Power Accessories, Inc. 685
Fluidynamics Co. 873
Fluke Mfg. Co., Inc., John 1024, 1391
Flynn, J. 1735
F & M Scientific Corp. 304, 372
Foltz, H. L. 500
Ford Motor Co. 1026
Forma Scientific, Inc. 876
Fox, James E. 1652
Foxboro Co. 1024, 1628
Franklin Electronics, Inc. 1362, 1410
Franklin Systems, Inc. 880, 1979
Freed Transformer Co., Inc. 861, 1028, 1201, 1429, 1602, 1787
Freedman, Samuel 10
Frieden Inc. 390
Frohlich, Fr. 44
Fulton Sylphon Div. 148, 318, 474, 1036, 1810

G

Gamewell Co. 1602
Gas Purifying Materials Co., Inc. 2104
Gaynes Engrg. Co. 1036, 1419
Geissinger, Glenn 183
Genge Co., Inc. 1946
General-American Valve Co. 1768
General Computers, Inc. 744
General Controls Co. 1982
General Dynamics Corp. 931, 1025, 1588, 1968
General Electric Company 145, 207, 319, 500, 850, 1036, 1266, 1463, 1986, 2037, 2111
General Electrodynamics Corp. 1618
General Electronic Control Inc. 1768
General Kinetics Corp. 1484, 2049
General Mills 922
General Motors Corp. 1992
General Precision, Inc. 323, 736, 869, 1396, 1592, 1678, 2127, 2133
General Radio Co. 1199
General Time Corp. 316, 1788
General Transistor Corp. 1475
General Welding & Fabricating Co. 489
Genesys 1604, 1780
Genisco, Inc. 734
Geosciences & Instrumentation Div. 1794
Geotechnical Corp. 694
Gilchrist, Edgar S. 1745
Gillen Co., John 484
Gilliland, Maxwell C. 1545
Gilmont, Roger 1356
Glasco Instrument Co. 402
Glinski, George S. 2100
Globe Industries, Inc. 1048
Goe Engrg. Co. 1596
Goldcamp, C. F. 415
Gordon Co., Claud S. 877
Gordon, Gerald S. 185
Gorrell & Gorrell 1609
Gorten, B. 1536
Gould Co., J. D. 1950
Government & Industrial Div. 1298
Gow-Mac Instrument Co. 143, 546, 679
GPE Controls, Inc. 302, 1419
GPS Instrument Co., Inc. 35, 562, 1422
Great Lakes Mfg. Corp. 882
Green, R. W. 1833
Greenleaf Mfg. Div. 878
Greibach Instruments Corp. 743, 1402
Greiner Co., Emil 1414
Grove Valve & Regulator Co. 1256
Gruenberg Electric Co., Inc. 1038
Guilton Industries, Inc. 853, 936, 2111
Gurley, W. & L. E. 678
Gyra Electronics Corp. 314

H

Hadley, Inc., B. H. 1605
Hagan Chemicals & Controls, Inc. 300, 1421, 1973, 2106
Hage, W. T. 183
Hallikainen Instruments 1369
Halsell, C. M. 824
Hamilton Standard 1788
Hammarlund Mfg. Co., Inc., 1400
Haney, Wm. H. 6
Hankison Corp. 36, 1424, 1805
Hannah, R. L. 1167
Hara, Hiroshi H. 1545
Harco Labs., Inc. 1174, 1425, 1590, 1808, 2046, 2104
Harris Calorific Co. 1951
Hartz, Nelson W. 249, 354
Harvey-Wells Electronics, Inc. 326, 384, 452, 882
Hass Instrument Corp. 1388
Hastings-Raydist, Inc. 153, 1413, 1589
Hathaway Instruments, Inc. 1961
Hathaway, A. G. 357
Hawes, N. L. 1231
Hawk, Charles E. 996
Haydon Co., A. W. 329, 488, 1638, 1991
Haydon Div. 316, 1788
Haydon Switch, Inc. 154
Hayes, Inc., C. I. 475, 664, 1040
Hays Corp. 491, 845, 1858
Hays Mfg. Co. 1416
Heiland Div. 150, 1862
Heise Bourdon Tube Co. 326, 928, 1060
Helicoid Gage Div. 478, 679
Helitork Div. 1260
Hess, M. F. 1231
Heuer Timer Corp. 499, 868, 1770
Heuer, Jack W. 1747
Hewlett-Packard Co. 296, 304, 472, 474, 870, 1057, 1416, 1780
Hickok Electrical Instrument Co. 132, 372, 688, 1657
Hilo-McCanna Co. 685, 1772, 1948
Hirsch, Jeanne 1228
Hoke, Inc. 1250, 1408, 1623, 1804, 2124
Homestead Valve Mfg. Co. 128
Hornfeck, A. J. 1730
Hortes, William P. 1714
Hoskins Mfg. Co. 207, 501, 1258
Houston Instrument Corp. 132, 158, 484, 861, 1059, 1258, 1259, 1416
Howe Scale Co. 484
Howell Instruments, Inc. 2124
HRB-Singer, Inc. 1961
Hughes Aircraft Co. 1980
Hughes Industrial Systems Div. 874
Hugo, Ross E. 1715, 2074
Hurst Mfg. Corp. 1024
Huston, William D. 234
Hydel, Inc. 134, 873, 1772
Hydelic Engrg. Corp. 1792
Hydromatics, Inc. 120, 198, 470, 556, 1773, 1985, 2124
Hynes, Peter 1828

I

Ianuzzi, A. Pete 906
Iconix Inc. 329
Ideal-Aerosmith, Inc. 495
Illinois Testing Labs., Inc. 322, 1625, 1784
ILS Electronics Div. 1599
Image Instruments, Inc. 694, 1678
Imperial Brass Mfg. Co. 1492
Industrial Components Div. 1611, 1980, 2118
Industrial Div. 159, 678, 934, 1371, 1469, 1475, 1596, 1956
Industrial Electronics Engineers, Inc. 40, 147, 383, 470
Industrial Engrg. Corp. 350
Industrial Instrument Div. 1948
Industrial Instruments Automation Corp. 36, 145, 295
Industrial Instruments Engineering Corp. 669, 2106
Industrial Instruments Inc. 488, 868, 1417, 1486, 1596
Industrial Measurements Sales, Inc. 1772
Industrial Processes, Inc. 2108
Industrial Products Div. 497, 692, 1960
Industrial Systems Div. 1196, 1980
Industrial Test Equipment Co. 682, 868, 1467, 1862
Industrial Timer Corp. 144, 1404, 1766
Infrared Industries, Inc. 1665, 1948
Infrared Standards Lab. 153
Instron Engineering Corp. 1414
Instrument Corp. of America 1773
Instrument Dev. Labs., Inc. 1805
Instrument Div. 41, 135, 294, 1369, 1374, 1621, 1784, 1811, 1873
Instrument & Electronic Div. 563
Instrumentation Associates 1266, 1959
Instrumentation Products Div. 1857
Instruments, Inc. 159, 668, 1476, 1891, 2122
International Business Machines 143, 682, 1766, 1984, 2122
International Resistance Co. 317, 1978, 2110
Itemco Inc. 1414
Itemlab, Inc. 497
I T T 1030

J

Jacobson, Hugh O. 998
James Electronics Inc. 1404
Jarrell-Ash Co. 1404, 1812
Jensen, R. H. 6
Jerguson Gage & Valve Co. 149, 476, Johnson Service Co. 490
Johnson-Williams, Inc 1272
Johnson, G. F. 176
Johnson, R. 1256
Johnston, F. Patrick 1646
Jordan Electronics Div. 1256
Jordan, Henry C. 948
Julie Research Labs., Inc. 1044

K

Kahan, Del F. 426
Kahn & Co., Inc. 319, 1603
Kalbfell, D. C. 356
Kamm, Lawrence J. 438
Kane, Michael V. 608
Kanthal Corp. 496
Kaufman, Alvin B. 106, 179, 240, 634, 714, 804
Kearfott Div. 142, 323, 503, 663, 1592, 1678, 2127
Kebbon, E. Robert 1921
Keifer, Lowell D. 11
Keithley Instrument Co. 1368
Keinath, Dr. George 353
Kelley, James B. 626, 1453
Kelly, Dale 76
Kenyon, G. Y. 1651
Kepco Labs., Inc. 476, 1053
Kerrco Instruments Inc. 499, 664, 1049
Kerr Corp., Wayne 1804
Keuffel & Esser Co. 1476
Kezer, Charles F. 108, 442
Killark Electric Mfg. Co. 880
Kinan, A. M. 1167
King, W. Julian 523
Kin Tel 880, 1406, 1981
Kirk, David B. 1719
Kirkland, F. 1830
Kisatsky, P. J. 2077
Klipfel Valves, Inc. 145
Knapp Inc. 1773
Kohlenberger Engrg. Corp. 324
Korfund Co., Inc. 1418, 1774, 1982
Korn, Granino A. 1306, 1551
Kovaly, Joe N. 2088
Kreiss, J. E. 905
Krebs-Hilte Corp. 1180, 1412
Kunkle Valve Co. 2135

L

Labline, Inc. 1050, 1418
Lab. for Electronics, Inc. 480, 1100, 1185
Lacy, Wm. E. 642
Lake Erie Electric Mfg., Inc. 1174
Land-Air, Inc. 503
Landis & Gyr, Inc. 734, 853, 1421, 1766
Langford, Dr. R. C. 404
La Pine & Co., Arthur S. 324
Lapp Insulator Co., Inc. 147, 296, 886, 1803, 1950
Lauzon, Roland 1231
Lee, Kenneth S. 9
Leach Corp. 1804
Lear, Inc. 869
Leeds & Northrup 148, 471, 1802, 1960
Lent, H. A. 1537
Leonard, Inc., Wallace O. 1475, 1681
Lepel High Frequency Labs. 321, 800
Leslie Co. 486, 938
Levin & Son, Inc., Louis 876, 1042, 1983
Lewis Engineering Co. 1802
Lexington Controls, Inc. 1801
Librascope, Div. 478, 736
Lind Instruments, Inc. 2045
Link Div. 889, 1396, 2133
Liquidometer Corp. 1403
Little, Inc., Arthur D. 144
Litton Industries 661
LKB Instruments, Inc. 2133
Lockwood & McLorie, Inc. 1419, 1619
Lon Engineering Co. 147, 1608
LogEtronics, Inc. 1680
Lopez, J. L. (Jim) 761
Lord Mfg. Co. 887
Lunsen, Inc. 666, 862, 1497
Lundy Mfg. Corp. 1780
Lytel, Allan 1141

M

MacDuff, J. N. 1561
Machine Controls Div. 1271
Magna Products, Inc. 2112
Magnavox Co. 1398
Magnecraft Electric Co. 866
Magnetic Amplifiers, Inc. 874
Magnetic Instrument Co. 872
Magnetic Shield Div. 860, 1374, 1609, 2125
Magnetrol, Inc. 325, 1779, 1989
Malme, Glenn W. 411
Mandrel Industries, Inc. 878
Manning, Maxwell & Moore, Inc. 1386
Manostat Corp. 860, 1950
Mansfield & Green, Inc. 680
Marconi Instruments 678, 874
Markel & Sons, L. Frank 1394
Marold, Hans H. 626
Marsh Instrument Co. 137, 1802
Marshall Instruments Inc. 1263
Marshall Products Co. 496
Marshalltown Mfg. Co. 1623
Marsick, Emil J. 350
Martin-Decker Corp. 736, 1376
Marton, Fred D. 112, 228, 462, 622, 812, 984, 1162, 1358, 1531, 1751, 1929, 2064
Maschmeyer, A. H. 1346
Mason Instrument Co. 883
Mason-Neilan 1054, 1488, 1588
Massa Div. 487, 1406, 1970
Maxon Premix Burner Co. 2121
MB Electronics 1388, 1591
McCabe, Robinette E. 1914
McDonald, Richard F. 1527, 1926
McGraw-Edison Co. 294, 1374, 1911, 1948
McLeod, Jr., John H. 97, 283, 445, 596, 651, 715, 829, 1013, 1119, 1293, 1569, 1759, 1937, 2091
McNish, A. G. 522, 660, 775, 1340
McPherson, A. T. 1229
Meaker Co. 871
Mechanical Div. 922
Mechatrol Div. 1690
Meloy, Thomas 6
Mercoid Corp. 1177
Meriam Instrument Co. 1599
Merlo, A. L. 2099
Metal Bellows Corp. 1417
Meter & Valve Div. 680, 854, 1616, 1798
Metron Instrument Co. 157, 2130
Micro Instrument Co. 2118
Micro Gee Products, Inc. 1051
Micro-Systems, Inc. 2134
Micro-Test, Inc. 2040, 2137
Midwest Automatic Control Co. 312
Midwestern Electronics, Inc. 490
Midwestern Instruments 135, 684, 872, 1196
Mikhalkin, Basil 994
MIL Div. 1386
Miller, Ray L. 2011
Minco Products, Inc. 884
Mincom Div. 870, 1684
Mine Safety Appliances Company 137, 322, 477, 1423
Miniature Mechanisms, Inc. 1796
Minneapolis-Honeywell Regulator Co. 124, 142, 159, 676, 842, 854, 956, 1047, 1190, 1371, 1475, 1802, 1954, 2137
Minnesota Instrument Co. 1984
Minnesota Mining and Mfg. Co. 141, 870, 1284, 1684
Missimers, Inc. 1790
Model Engrg. & Mfg., Inc. 1637
Modernair Corp. 204
Moeller Instrument Co., Inc. 745, 1424, 1784
Moen, Walter K. 70
Moore Associates, Inc. 1801
Moore & Co., Samuel 1629
Moore, Harry P. 1723
Morehouse Machine Co. 486
Morley, Dana A. 254
Moseley Co., F. L. 323, 477, 883, 1043, 1779
Motech Co. 1784
Motorola Inc. 538, 1624, 1280, 1988
Mueller Co. 1420
Mullins Mfg. Co. 388
Murphy Mfg. Inc., Frank W. 674
Muschamp, George M. 577
Myers, Charles D. 174

N

Nanmac Corp. 1178, 1622, 1779
Nashua Corp. 1185
National Electronics 678
Nelson, Paul W. 13
Nesbo Instruments, Inc. 1800
New Jersey Meter Co., Inc. 885
Non-Linear Systems, Inc. 877, 1372, 1382, 1491, 2137
Northatrol Electronics Corp. 1952
Norcross Cos., Sterling E. 1181, 1946
Norden Div. 477
Northeast Electronics Corp. 584
Norton, H. N. 992
Novak, S. T. 715
NRC Equipment Corp. 152, 302, 1774
Nuclear-Chicago Corp. 1404
Nuclear Measurements Corp. 227, 881, 1800
Nuclear Products Co. 1950
Nuclide Analysis Assoc. 1959

O

O'Connor, Ward F. 1742
O. E. M. Corp. 1982
Oetker, R. 1279
Offner Electronics Inc. 1630, 1186, 1669
Ohmart Corp. 1950
Ohmite Mfg. Co. 376, 1412
Oliver, G. A. 2070
Olken, Hy 350
O'Neill, Louis T. 1447
Opad Electric Company 120
Optimum Control Corp. 743
Opto-Metric Tools, Inc. 1047, 1610
Oster Mfg. Co., John 852, 1623
Otto, Edward 1565
Owens Labs., Inc. 1685
Oxford Engineering Co. 153, 310

P

Pace Engrg. Co. 483, 852, 1413, 1612, 1803
Pacific Automation Products, Inc. 744
Pacific Electro Magnetics Co. 2110
Packard Bell Computer Corp. 379, 493, 862, 928, 1047, 1104, 1203, 1626
Packard Bell Electronics 871, 928, 1104
Page, David A. 8
Palme, R. B 164.8
Pamar Electronics Co., Inc. 1250, 1408
Parabam, Inc. 134, 1376
Parker Fittings & Hose Div. 686, 1790, 1970
Parker-Hannifin Corp. 686, 1790, 1970
Parker Seal Co. 1675
Parnes, Arthur 2102
Partlow Corp. 146, 208, 847, 1612
Paskman, Martin 1833
Past, Charles 185
Paterson Co., Inc., Stuart D. 660
PBH Mfg. Co. 1792
Peery, L. Earl 1755
Perfecting Service Co. 1613, 1790
Perfection Mica Co. 869, 1374, 1680, 2135
Performance Measurements Co. 124, 322, 1041
Perkin-Elmer Corp. 307, 315, 677, 852, 1041, 1413, 1873, 2037
Perchel Electronics, Inc. 887, 1039, 1412
Peschel, Robert L. 430
Peterson Machine Tool, Inc. 328
Petrometer Corp. 317, 484
Philadelphia Gear Corp. 1796
Philadelphia Scientific Glass Co. 1702
Philbrick Researches, Inc., G. A 386, 1378
Photocircuits Corp. 1588
Photocon Research Products 137, 317
Photomation, Inc. 144, 304, 1392, 1952

Photovolt Corp. 198
Photron Instrument Co. 130, 1977
Physical Sciences Corp. 871
Physics Research Labs. 1977
PIC Automation Controls Div. 1982
Plastics & Coal Chemicals Div. 1676
Plug-In Instruments, Inc. 1766, 1974, 2043
Pace-Hydro Valve Corp. 1040
Polarad Electronics Corp. 1688
Polyphase Instrument Co. 1808
Potter Aeronautical Corp. 1796, 1976
Potter Instrument Co., Inc. 546, 670, 886, 1490
Powers Regulator Co. 139
Precision Instrument Co. 691, 1978, 2040
Precision Products Div. 2132
Precision Thermometer & Instrument Co. 1792
Presin Co. 1798
Pressure Products Industries, Inc. 1624
Princeton Div. 503, 1030
Process Equipment Div. 296, 1803, 1950
Products Div. 673
Protection Controls, Inc. 1042
Pulse Engineering Inc. 200
Pump Div. 2116
Pyrometer Co. of America, Inc. 316, 484

Q

Quality Control Corp. 1048
Quan-Tech Labs. 682

R

Radiation Counter Labs., Inc. 1045
Radiation Electronics Co. 157, 1046, 1415
Radiation, Inc. 745, 1362, 1968
Radiation Instrument Development Lab., Inc. 1691
Radio Frequency Labs., Inc. 502
Radio Receptor Co. 156
Ramapo Instrument Co., Inc. 673
Rawco Instruments, Inc. 1413
Rawson Electrical Instrument Co. 872
Raytheon Co. 1611, 1980, 2118
R & D Div. 226, 384, 492
Reaction Motors Div. 934
Recordak Corp. 554
Rectifier Div. 1202
Redcor Development Corp. 862
Red Jacket Co., Inc. 1028
Redmond Co., Inc. 2121
Reed Instrument Bearing Co. 932
Reeves Instrument Corp. 1180
Regulators, Inc. 883
Reico Products 1611
Reploglo, N. S
Republic Flow Meters Co. 1052, 1106
Republic Mfg. Co. 1588, 1968
Rescon Electronics Corp. 1372, 1610
Rese Engrg., Inc. 884
Research Council, Inc. 879
Research, Inc. 1798
Research Products Co. 2189
Richardson Scale Co. 156
Richardson, S. C. 786, 1074, 1144
Richle Testing Machines Div. 847
Risse, Joseph A. 1453
RKL Controls, Inc. 1624
Robbins Aviation Inc. 489, 1185, 1610, 1793, 1866
Robertshaw-Fulton Controls Co. 134, 149, 318, 474, 1038, 1161, 1810, 1864
Robotomics, Inc. 2121
Rockwell Mfg. Co. 680, 854, 1104, 1106, 1616, 1798
Rockwell Co., W. S. 1411
Rochmann, Ludwig F. 630
Rosser, Wm. F. 750
Rol-a-Chart Div. 2115
Rose, Victor W. 790
Rosemount Engrg. Co. 1049, 1413, 1486, 1611
Rosenthal, Dr. Robert 612
Rosso, Charles 1647
Rotocon Div. 1962
Rotron Controls Corp. 1627
Royal McBee 497, 858, 861, 1039, 1684
Royce Instruments Inc. 1045, 1809
Royson Engrg. Co. 684, 1799
R S Electronics Corp. 1978
Rupp Associates, Inc., Arthur C. 321, 490
Russell, Jr., Otis F. 2009
Rust Industrial Co. 1988

S

Sachs, Carrol C. 1048
Sanborn Company 159, 934, 1400, 1596, 1956
Sanders Associates, Inc. 887, 1402
San Diego Scientific Corp. 747, 1032
Santa Barbara Div. 35
Sarasota Precision Products, Inc. 1380
Saxl, Dr. Erwin 2081
Saxonburg Ceramics, Inc. 1792
Sayler, W. H. 1074
Scan Instrument Co. 1853
Schaevitz Engrg. 875
Scharff, Samuel A. 523
Schelin Industries, Inc. 1975
Schenzel, H. 523
Scherr-Tumico Co. 688, 857, 1617
Schiff, Raymond J. 83
Schimbor, E. F. 1829
Schmidt, J. S. 1820
Schrader's Son Div., A. 1056
Schramm, R. E. 712
Schuco Scientific Div. 1059
Schueler & Company 1059
Schutte and Koerting Co. 135, 1309
Schwarzschild, Bert 13
Scientific-Atlanta, Inc. 816
Scopes Co. 1263
Scott, Inc., H. H. 1621
Scovill Mfg. Co., Inc. 1056
Sealectro Corp. 1616, 2028
Seegan Instrument Co. 1628
Sel-Rex Corp. 871
Sel-Rex Rectifier Div. 871
Semiconductor Products Div. 538
Seminole Div. 1194
Sensitive Research Instrument Corp. 856, 1950
Servo Corp. of America 390
Servomechanisms 1090
Servonic Instruments, Inc. 1042, 1402
Shallcross Mfg. Co. 491
Shand & Jurs Co. 1675
Shapiro, Alan B. 10
Sharshon, Walter S. 1739
Shaw Controls, Inc. 1629
Shaw, Vincent G. 58
Sheffer Corp. 1809
Sheffield Corp. 747
Shepherd Industries, Inc. 1629, 1809
Shore Instrument & Mfg. Co., Inc. 687
Sier, Robert 966
Signatrol, Inc. 151
Silber, Walter B. 1895
Simpson Electric Co. 1382
Singer Mfg. Co. 1961
Siren, Jan C. 1230
SKF Industries, Inc. 932
Skydyne, Inc. 661, 850
Sloan Co. 2114
Smith-Florence, Inc. 1952
Smith, Inc., Arthur F. 1613
Smith, C. L. 2077
Smith, Edwin L. 1646
Smith, R. 1236
Smith, Russell G. 712, 905
Societe de Produits Chimiques 352
Sonoflux Div. 328
Sorensen & Co. 1409, 1979
Soroban Engrg., Inc. 1682
Sorrels-Johnson Corp. 1028
Southwestern Industrial Electronics Co. div. 150, 1409
Special Products Div. 1975
Speco, Inc. 1406
Spectrochemical Div. 842
Spellerberg, Edward L. 1828
Spence Engrg. Co., Inc. 476, 1993
Standard Controls, Inc. 1979
Standard Instrument Corp. 1614
Statham Instruments, Inc. 1050, 1188, 1371, 1392, 1618, 1866, 1968
Stearns, Electric Corp. 1805, 1809
Steele, D. I. 15
Steinberg, Marvin I. 522
Stewart Corp., F. W. 674, 2111
Stiehl Co., Inc., Herman H. 556, 1423, 1954
Strahman Valves, Inc. 1044, 1186
Strainsert Div. 1808
Streeter-Amet Co. 1798
Stromberg-Carlson Div. 1588
Stucky, Adolph 1651
Superior Electric Co. 854, 1202, 1250, 1961
Superlite Instrument Corp. 288
Swartwout Div. 136, 686, 1660, 1996
Sykes, R. P. 1555
Syntron Co. 1292
Systematics Div. 1475
Systron Corp. 140, 687, 1978

T

Taber Instrument Corp. 150, 856, 922, 1991
Tally Register Corp. 298, 328, 386, 558, 1991
Taurus Corp. 123
Taylor Instrument Cos. 129
Technibilt Corp. 1980
Technical Associates 1791
Technical Industries Corp. 482
Technical Products & Instruments Div. 546
Technicon Controls, Inc. 1972
Tektronix, Inc. 886, 1035, 1202, 1596, 1788, 1990
Telechrome Mfg. Corp. 1864
Telecomputing Corp. 151, 681, 680, 1057
Telemeter Magnetics Inc. 1378
Teletype Corp. 140, 938, 1627
Telex, Inc. 1975
Temco Aircraft Corp. 1400
Temco Electronics Div. 1400
Tempil Corp. 1978
Tenney Engrg., Inc. 674, 1480
Terriss Div. 1655
Tester, M. E. 900
Texas Instruments, Inc. 1035, 1398, 1592, 1794
Textron, Inc. 2126
Thayer Scale Corp. 1977
Therme Electric Co., Inc. 312, 384, 880, 1792
Therme Electric Mfg. Co. 490, 681, 856, 1825
Thiokol Chemical Corp. 934
Thompson Ramo Wooldridge Inc. 406
Thompson, Norman J. 11
Thorkelson, Thomas R. 1545
Tinsley Labs., Inc. 1794
Tischenhorf, E. W. 354
Torsion Balance Co. 681
Transformer Electronics Co. 876
Transistor Electronics Corp. 878
Transistor Specialties, Inc. 871, 1186, 1619, 1790
Trans-Sonics, Inc. 139, 1396, 1992
Trinity Equipment Corp. 310, 478, 675, 1488, 1587, 1622, 1791
Trio Labs., Inc. 1388
Tru-Ohm Products Div. 1037

U

Ulanet Co., George 1587
Ultradyne, Inc. 1987
Unicorn Div. 141
Uniflow Valve Corp. 1858
Uniform Tubes, Inc. 1202
Unistrut Products Co. 1962
United Aircraft Corp. 477
United Electric Controls Co. 136, 1038, 1195, 1990
United Engineers, Inc. 308
United Scientific Co. 1061
United Sensor & Control Corp. 159
U. S. Gauge Div. 146
U. S. Industries, Inc. 35
Unitek Corp. 1410
Unitron, Instrument Div. 1061

V

Vacuum Research Co. 848
Valcor Engrg. Corp. 1194
Valve Div. 1788, 2137
Van Products Co. 857
Vapor Recovery Systems Co. 1055, 1100
Varo Mfg. Co., Inc. 1962
Vector Electronic Company 123, 492
VecTrol Engrg., Inc. 1056
Veeco Vacuum Corp. 1055, 1587
Veeder-Root, Inc. 120, 311, 856
Vernistat Div. 307, 315, 2037
Victor Adding Machine Co. 136
Victor Equipment Co. 1675
Victoreen Instrument Co. 1256
Vidar Corp. 483, 882, 1048
Video Instruments Co., Inc. 310, 496, 1390
Vinson Engineering & Sales Co. 1402
Vinson Mfg. Co., Inc. 1260, 1793
Virie, J. 356
Voltron Products Inc. 1656, 1627
Von Rosenberg, H. C. 2008
Von Vick, George 979

W

Wagner Electric Corp. 558
Wallace & Tiernan Inc. 126, 225, 538, 1100, 1368, 1617
Walther, Otto W. 174
Walton, S. B. 180
Wareo Industries, Inc. 123, 866
Ward, J. L. 2011
Waterman Hydraulics Corp. 308
Waterman Products Co. 130
Waters Associates 866
Watson, A. D. 714
Wayne-George Corp. 327, 1973
Webber Mfg. Co., Inc. 1688
Weberit, Robert L. 1170
Wehsler Instruments Corp. 308, 480, 679, 854, 1032
Weldmatic Div. 1410
Well Logging Equipment Mfg. Co. 688
Wernet, Frank D. 806, 1447
West Instrument Corp. 337, 1390, 1484
Westburg, A. L. 176
Western Apparatus Co. 1962
Western Design Div. 35
Western Electronic Products Co. 486, 1618
Westinghouse Air Brake Co. 1960
Weston Instruments Div. 157, 693, 873, 1062, 1188, 1368, 1629, 1960
Wheelco Instruments Div. 548, 1587, 1620
Whitburn, Ronald A. 1652
White Avionics Corp. 315, 1392
White, Charles E. 246, 587, 782, 1001, 1154, 1344, 1453, 1533
Whittaker Controls Div. 151
Wiancko Engineering Co. 151, 877, 1390
Wilcox Electric Co., Inc. 1651, 1390, 1975, 2120
Wiley, Gaston G. 1747
Wilkens Instrument & Research Co. 1954
Wilkerson Corp. 1985
Williams, Sidney B. 1918
Williams, Dr. Theodore J. 618
Williamson Development Co., Inc. 141
Williamson, Prof. C. 1228
Wilson Mechanial Instrument Div. 866
Wilson, R. E. 779
Winslow Mfg. Corp. 487, 1979
Winston, Larry S. 1152
Winters, Walt W. 1724
Wires, Gary A. 270
Witham, Charles E. 2102
Wolf, Bert 1646
Wolf, O. C. 962
Wood, B. T. 183
Woodring, Edward D. 1580
Worthington Corp. 1488, 1588

Y

Yamamoto, Yujiro 808
Yarnall-Waring Co. 546, 854, 1857
Yellow Springs Instrument Co., Inc. 667, 852

Z

Zenith Electric Co. 850
Zenith Radio Corp. 1028
Zero-Max Co. 853, 1394
Zero Mfg. Co. 2112
Zoomar, Inc. 314

BOOKS—TITLES

A

Advances in Astronautical Sciences 1234, 2057
Advances in Computers, Vol. 1 1671
Algebras and their Arithmetics 1496
Analog Computation 1875
Analog Computation in Engineering Design 1671
Analog Methods 32
Analyses of Industrial Operations 1234
Apparatus Drawings Project (ADP) 2057
Automatic Titrators 566
Automation Today and Tomorrow 114
Automazione e Salute (Automation and Health) 566

B

Basic Electrical Measurements 1671
Basics of Gyroscopes, Volumes 1 & 2 1496
Beam and Wave Electronics in Microwave Tubes 751
Bodine Fractional Horsepower Motor Handbook 566
Book Computer 2057
Boundary Problems in Differential Equations 114

D

Dictionary of Atomic Terminology 214
Digital Applications of Magnetic Devices 2057
Digital Computer Primer 566
Direct Conversion of Heat to Electricity 1233
Dynamische Vorgange in linearen Systemen der Nachrichten und Regelungstechnik 1233
Dynamische Vorgange in linearen Systemen der Nachrichten und Regelunstechnik 32

E

Economic Control of Interconnected Systems 566
Ein kombiniertes Regelsystem (A combined Control System) 751
Electrical Efficiency in Industrial Plants 401
Electrical Noise—Fundamentals and Physical Mechanism 1496
Electronic Circuits, Signals and Systems 1875
Electronic Computers 750
Electronic Flash Photography 1671
Encyclopedia on Cathode-Ray Oscilloscopes and Their Uses 214
Engineering Data Processing System Design 947
Experiments in Electronics 566

F

Fluid Power Control 750
Fourier's Series and Spherical Harmonics 114
Free and Inexpensive Educational Aids 1671
Fundamentals of Electronics 750
Fundamentals of Transistor Physics 1671

G

Graphic Aids to Frequency Response Study and Feedback Control Systems 1234, 2057
Grundlagen der selbattaetigen Regelung 214

H

Hardness—Theory and Practice 1496

I

Ingenious Mathematical Problems and Methods 1079
Instrument Manual 750
Introduction to Electronic Data Processing 566
Introduction to Statistical Communication Theory, An 947

J

Junction Transmission in Pulse Circuits 1233

M

Magnetic and Electrical Fundamentals 751
Master Receiving-Picture-Tube Substitution Guide Book 947
Materials & Techniques for Electron Tubes 401
Mathematical Methods for Digital Computers 1079
Mess- und Regeltechnik 1234
Microwave Transmission 751
Modern Electronic Components 32

N

New Table of Laplace Transformation 1875
Nuclear Power Plant 566
Nuclear Reactor Physics 1496
101 Ways to Use Your Audio Test Equipment 566

O

Operations Research and Systems Engineering 1233

P

Petroleum Engineering: Drilling and Well Completions 566
Photoconductivity of Solids 1671
Physical Methods of Organic Chemistry 32, 1875
Progress in Non-destructive Testing 1234

R

Radiation Counters and Detectors 947
Radio Stations, Installation, Design and Practice 114

S

Servo Engineer's Handbook, The 401
Servomechanism Fundamentals 750
Story of Chemistry, The 1671
Symposium on Particle Size Measurement 32

T

Thermodynamic Principles for Chemical Engineers 947
Thermodynamics 401
Treatise on Algebraic Plane Curves, A. 214

U

Using and Understanding Probes 1875